<table>
<thead>
<tr>
<th>Date</th>
<th>DIRTT Door Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.30.2019</td>
<td>BD10 BarnDoorPhat_NonLocking Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot; RH No Piston N/A ADA M2, M21, M5 Standard Back to Back Bar Pull 630 Finish - 30&quot; Standard Back to Back Bar Pull 630 Finish - 30&quot;(3' - 6&quot;) Barivot Barn Door Slim Track</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>BD11 BarnDoorPhat_NonLocking Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot; LH No Piston N/A ADA M2, M6, M11 Standard Back to Back Bar Pull 630 Finish - 30&quot; Standard Back to Back Bar Pull 630 Finish - 30&quot;(3' - 6&quot;) Barivot Barn Door Slim Track</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>BD14 Solid_Barn_Door_Barivot_f Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot; LH No Piston N/A N/A ADA M2, M6, M11 Standard Back to Back Bar Pull 630 Finish - 30&quot; Standard Back to Back Bar Pull 630 Finish - 30&quot;(3' - 6&quot;) Barivot Barn Door Slim Track</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD44 Single_ButtHinge_BARPULL Height 8' - 7 7/16&quot; X Width 3' - 1&quot; LH LockSet None Gerry DIRTT Peg (Wall Location) ADA M2, M6, M21 Door Lever Schlage Lockset Neptune Door Lever Schlage Lockset Neptune(3' - 2&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD85 Double_ButtHinge Height 8' - 7 7/16&quot; X Width 3' - 9 1/8&quot; LH Not Locking None Gerry DIRTT Peg (Wall Location) ADA M2, M6, M21 30&quot; x 24&quot; C to C Bar Pull 630 Finish 30&quot; x 24&quot; C to C Bar Pull 630 Finish(3' - 6&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD86 Double_ButtHinge Height 8' - 7 7/16&quot; X Width 3' - 9 1/8&quot; RH Not Locking None Gerry DIRTT Peg (Wall Location) ADA M2, M6, M21 30&quot; x 24&quot; C to C Bar Pull 630 Finish 30&quot; x 24&quot; C to C Bar Pull 630 Finish(3' - 6&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD88 Single_ButtHinge_BARPULL Height 8' - 7 7/16&quot; X Width 3' - 1&quot; RH Not Locking None Gerry DIRTT Peg (Wall Location) ADA M2, M6, M21 30&quot; x 24&quot; C to C Bar Pull 630 Finish 30&quot; x 24&quot; C to C Bar Pull 630 Finish(3' - 6&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD92 Double_ButtHinge Height 8' - 7 7/16&quot; X Width 3' - 1 1/2&quot; LH Not Locking None Gerry DIRTT Peg (Wall Location) ADA M2, M6, M21 30&quot; x 24&quot; C to C Bar Pull 630 Finish 30&quot; x 24&quot; C to C Bar Pull 630 Finish(3' - 6&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD93 Double_ButtHinge Height 8' - 7 7/16&quot; X Width 3' - 1 1/2&quot; RH Not Locking None Gerry DIRTT Peg (Wall Location) N/A M5, M11 AL50PD-626 Schlage Neptune (Lock Set) AL50PD-626 Schlage Neptune (Lock Set)(3' - 2&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD113 Single_ButtHinge_BARPULL Height 8' - 10 7/8&quot; X Width 3' - 1&quot; LH Not Locking None Gerry DIRTT Peg (Wall Location) N/A M5, M11 COM Door Hardware(COM; Default COM Door Hardware) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD116 Butt_Hinge_Door Height 8' - 10 7/8&quot; X Width 3' - 1&quot; LH N/A None Gerry DIRTT Peg (Wall Location) N/A M5, M11 AL50PD-626 Schlage Neptune (Lock Set) AL50PD-626 Schlage Neptune (Lock Set)(3' - 2&quot;) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD121 Single_ButtHinge_BARPULL Height 8' - 10 7/8&quot; X Width 3' - 1&quot; RH N/A None Gerry DIRTT Peg (Wall Location) N/A M5, M11 COM Door Hardware(COM; Default COM Door Hardware) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD122 Butt_Hinge_Door Height 8' - 10 7/8&quot; X Width 3' - 1&quot; LH N/A Concealed Gerry DIRTT Peg (Wall Location) N/A M5, M11 COM Door Hardware(COM; Default COM Door Hardware) N/A</td>
</tr>
<tr>
<td>12.03.2019</td>
<td>HD123 Butt_Hinge_Door Height 8' - 10 7/8&quot; X Width 3' - 1&quot; RH N/A Concealed Gerry DIRTT Peg (Wall Location) N/A M5, M11 COM Door Hardware(COM; Default COM Door Hardware) N/A</td>
</tr>
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**DIRTT Walls Finish Schedule**

<table>
<thead>
<tr>
<th>Tag Finish</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1 PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Fog DC02</td>
<td></td>
</tr>
<tr>
<td>M2 ANO Grade 1 Anodized; Anodized Finish - Clear</td>
<td></td>
</tr>
<tr>
<td>M4 PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Shimmer DC50</td>
<td></td>
</tr>
<tr>
<td>M5 PWD DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)</td>
<td></td>
</tr>
<tr>
<td>M6 PWD DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)</td>
<td></td>
</tr>
<tr>
<td>M11 THRM Thermofoil Grade 2; DIRTT OMNOVA Thermofoil Southwester (Horizontal)</td>
<td></td>
</tr>
<tr>
<td>M12 GLS COM GLASS DIRECT TO SITE - COM Stickbuilt Glass; Default 10mm; COM Glass; Flat Polish All Edges; 10.0; 10.0mm</td>
<td></td>
</tr>
<tr>
<td>M13 GLS Stick Built Tempered Glass Tile; Tempered Glass - Clear; Flat Polish all edges; 10.0mm</td>
<td></td>
</tr>
<tr>
<td>M14 GLS Magnetic Grade 1 (Non-metallic) Backpaint; Magnetic Starphire Glass: Polar White; Magnetic Flat Polish all edges; 6.0mm</td>
<td></td>
</tr>
<tr>
<td>M15 TFAB DIRTT Fabric G6 Strie; Strie 820</td>
<td></td>
</tr>
<tr>
<td>M16 GLS Grade 1 (Non-metallic) Backpaint; Starphire Glass: Polar White; Flat Polish all edges; 6.0mm</td>
<td></td>
</tr>
<tr>
<td>M17 PWD DIRTT Powder Coated Grade 1; Powder Coat - Fog DP02 (Textured)</td>
<td></td>
</tr>
<tr>
<td>M18 THRM Thermofoil Grade 2; SSI Beach Glass Super Matte</td>
<td></td>
</tr>
<tr>
<td>M19 PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Polar White DC22</td>
<td></td>
</tr>
<tr>
<td>M20 MDF Magnetic Markerboard; .022mm CRS - Porcelain coated white laminate; 2-Sided LPL Backed MDF</td>
<td></td>
</tr>
<tr>
<td>M21 GLS Center Mounted Tempered Glass Tile; Tempered Glass - Clear; No Edge Polish; 6.0mm</td>
<td></td>
</tr>
</tbody>
</table>
DIRTT Electrical Details

1. LED TV to be installed in wall cavity behind tempered glass wall skin.
2. DIRTT Whip
3. DIRTT Card Reader-enabled door in this location. Components & wiring provided by others.
4. Motion sensors by others. Wall box only provided by DIRTT.
5. Data wiring and components to be provided by others.
6. Door hardware: See Hardware Schedule

DIRTT Electrical Notes:

- All electrical components show at DIRTT Partitions to be provided by others.
- DIRTT Whip
- Door boxes located at DIRTT Partitions are factory installed
- Motion sensors by others
- Data wiring and components to be provided by others
- Door hardware: See Hardware Schedule
- All wiring and components to be provided by others
- DIRTT Whip
<table>
<thead>
<tr>
<th>Tag</th>
<th>Style Name</th>
<th>Size</th>
<th>Handedness</th>
<th>Locking</th>
<th>Closer Type</th>
<th>Stopper</th>
<th>Door Base Style</th>
<th>Finish</th>
<th>Tag Hardware Description</th>
<th>Center Location</th>
<th>AFF</th>
<th>Door Track Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD4</td>
<td>BarnDoorPhat_NonLocking</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>RH</td>
<td>No Piston</td>
<td>N/A</td>
<td>ADA M1, M21, M6</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot; Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot; (3' - 6&quot;)</td>
<td>Barivot Barn Door Slim Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD16</td>
<td>Single_ButtHinge_BARPULL</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>Not Locking</td>
<td>None</td>
<td>Gerry DIRTT Peg (Wall Location)</td>
<td>ADA M1, M5, M21</td>
<td>30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>Finish 30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>(3' - 6&quot;) N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD24</td>
<td>Butt_Hinge_Door</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>N/A</td>
<td>None</td>
<td>Peg (Floor Location) S116-626</td>
<td>ADA M1, M5, M21</td>
<td>COM Door Hardware (COM; Default COM Door Hardware)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DIRTT Walls Finish Schedule**

<table>
<thead>
<tr>
<th>Tag</th>
<th>Finish Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>ANO Grade 1 Anodized; Anodized Finish - Clear</td>
</tr>
<tr>
<td>M2</td>
<td>PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Fog DC02</td>
</tr>
<tr>
<td>M3</td>
<td>GLS Grade 1 (Non-metallic) Backpaint; Starphire Glass: Polar White; Flat Polish all edges; 6.0mm</td>
</tr>
<tr>
<td>M4</td>
<td>TFAB DIRTT Fabric G6 Strie; Strie 820</td>
</tr>
<tr>
<td>M5</td>
<td>PWD DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)</td>
</tr>
<tr>
<td>M6</td>
<td>PWD DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)</td>
</tr>
<tr>
<td>M7</td>
<td>PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Shimmer DC50</td>
</tr>
<tr>
<td>M8</td>
<td>PWD DIRTT Powder Coated Grade 1; Powder Coat - Black DP13 (Textured)</td>
</tr>
<tr>
<td>M9</td>
<td>THRM Thermofoil Grade 2; DIRTT OMNOVA Thermofoil Southwester (Horizontal)</td>
</tr>
<tr>
<td>M10</td>
<td>GLS COM GLASS DIRECT TO SITE - COM Stickbuilt Glass; Default 10mm; COM Glass; Flat Polish All Edges; 10.0; 10.0mm</td>
</tr>
<tr>
<td>M15</td>
<td>PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Polar White DC22</td>
</tr>
<tr>
<td>M18</td>
<td>PNT DIRTT Chroma Coat Grade 1; Chroma Coat - Black DC13</td>
</tr>
<tr>
<td>M19</td>
<td>NTO No Tile</td>
</tr>
<tr>
<td>M20</td>
<td>MDF Magnetic Markerboard; .022mm CRS - Porcelain coated white laminate; 2-Sided LPL Backed MDF</td>
</tr>
<tr>
<td>M21</td>
<td>GLS Center Mounted Tempered Glass Tile; 6mm Tempered Glass - Clear; No Edge Polish; 6.0mm</td>
</tr>
</tbody>
</table>
DIRTT Electro-Mechanical Notes:

1. LED TV to be installed in wall cavity behind tempered glass wall skin. Mounting bracket, stand fan, detectors & modular power components provided by DIRTT. TV, data wires and components provided by others.
2. DIRTT millwork in this location. See DIRTT millwork shop drawings for details.
3. DIRTT Card Reader enabled here in this location. Components & wiring provided by others; back box & conduit provided by DIRTT.

DIRTT Electrical Details:

- All electrical components shown at DIRTT Partitions to be provided by DIRTT.
- Wall boxes located at DIRTT Partitions are factory installed.
- Data wiring and components to be provided by others. Wall box, conduit and faceplate-only provided by DIRTT.
- Card Reader enabled by others. Back box & conduit-only provided by DIRTT.
<table>
<thead>
<tr>
<th>Tag Style Name</th>
<th>Size</th>
<th>Handedness</th>
<th>Locking</th>
<th>Closer Type</th>
<th>Stopper Door Base Style</th>
<th>Finish</th>
<th>Standard Back to Back Bar Pull Finish</th>
<th>30” Standard Back to Back Bar Pull Finish (3' - 6”)</th>
<th>Barivot Barn Door Slim Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD3</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>RH</td>
<td>No</td>
<td>Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M2, M20, M1</td>
<td>Standard Back to Back Bar Pull 630 Finish - 30&quot; Standard Back to Back Bar Pull 630 Finish (3' - 6&quot;)</td>
<td>Barivot Barn Door Slim Track</td>
</tr>
<tr>
<td>BD4</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>LH</td>
<td>No</td>
<td>Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M2, M20, M1</td>
<td>Standard Back to Back Bar Pull 630 Finish - 30&quot; Standard Back to Back Bar Pull 630 Finish (3' - 6&quot;)</td>
<td>Barivot Barn Door Slim Track</td>
</tr>
</tbody>
</table>

**DIRTT Partition Schedules - Floor 2 | Phase 3**

**Scale:** NTS

**City of Lancaster Administration Building**

**44933 Fern Avenue**

**Lancaster, CA 93534**
**GENERAL NOTES**
- Saddle trims required
- Ceiling height: 10' (TBC)
- Frame profile: Rectangular
- Frame finish: Anodized Aluminum
- Base finish: Silver
- PVC/Steel Wise Silver
- Floor type: Carpet
- Ceiling type: Grid, (unless otherwise noted)
- Door finish: As per Hardware Schedule

**NEVER Notes**
1. LED TV to be installed in wall cavity behind tempered glass wall skin. Mounting bracket, cooling fan, data box & modular power components provided by DIRT. TV, Data wire & components provided by others.
2. DIRT millwork in this location. See DIRT millwork shop drawings for details.
3. DIRT millwork provided, see shop drawings for details. Components & wiring provided by others, back box & conduit provided by DIRT.

**DIRTt Electrical Notes**
- All electrical components shown at DIRTt Partitions to be provided by DIRT.t.
- Wall boxes located at DIRTt Partitions are factory installed.
- If provided by others to be located within 36” of whip location shown on plan.
- Motion sensors by others. Wall box only provided by DIRT.t.

**DIRTt Electrical Details**

**Schematic Map**

City of Lancaster Administration Building
5493 Fern Avenue
Lancaster, CA 93534

dated DP1.00

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### DIRTT Walls Finish Schedule

<table>
<thead>
<tr>
<th>Tag Finish Specification</th>
<th>M1</th>
<th>PWD</th>
<th>DIRTT Powder Coated</th>
<th>Grade 1; Powder Coat - Black DP13 (Textured)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2</td>
<td>PWD</td>
<td>DIRTT Powder Coated</td>
<td>Grade 2; Powder Coat - Shimmer DPM50 (Metallic)</td>
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</tr>
<tr>
<td>M3</td>
<td>ANO</td>
<td>Grade 1 Anodized</td>
<td>Anodized Finish - Clear</td>
<td></td>
</tr>
<tr>
<td>M4</td>
<td>PWD</td>
<td>DIRTT Powder Coated</td>
<td>Grade 1; Powder Coat - Polar White DP22 (Textured)</td>
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<tr>
<td>M5</td>
<td>THRM</td>
<td>Thermofoil Grade 1</td>
<td>DIRTT SSI Thermofoil Snow White</td>
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<td>M6</td>
<td>PNT</td>
<td>DIRTT Chroma Coat</td>
<td>Grade 1; Chroma Coat - Polar White DC22</td>
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<td>PNT</td>
<td>DIRTT Chroma Coat</td>
<td>Grade 1; Chroma Coat - Fog DC02</td>
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<tr>
<td>M11</td>
<td>GLS</td>
<td>COM</td>
<td>Stickbuilt Glass; Default 10mm</td>
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</tr>
<tr>
<td>M12</td>
<td>GLS</td>
<td>Center Mounted Tempered Glass; 6mm Tempered Glass - Clear</td>
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<tr>
<td>M13</td>
<td>PNT</td>
<td>DIRTT Chroma Coat</td>
<td>Grade 1; Chroma Coat - Shimmer DC50</td>
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<tr>
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<td>PWD</td>
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<tr>
<td>M15</td>
<td>THRM</td>
<td>Thermofoil Grade 2</td>
<td>DIRTT OMNOVA Thermofoil Southwester (Horizontal)</td>
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<tr>
<td>M16</td>
<td>THRM</td>
<td>Thermofoil Grade 2</td>
<td>DIRTT OMNOVA Thermofoil Southwester</td>
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<tr>
<td>M17</td>
<td>MDF</td>
<td>Magnetic Markerboard</td>
<td>.022mm CRS - Porcelain coated white laminate; 2-Sided LPL Backed MDF</td>
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<tr>
<td>M18</td>
<td>TFAB</td>
<td>DIRTT Fabric G6 Strie</td>
<td>Strie 820</td>
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<tr>
<td>M19</td>
<td>MDF</td>
<td>Magnetic Markerboard</td>
<td>.022mm CRS - Porcelain coated white laminate; 2-Sided LPL Backed MDF</td>
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<td>M21</td>
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<td>GLS</td>
<td>Grade 1 (Non-metallic) Backpaint; 6mm Starphire Glass: Polar White</td>
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### DIRTT Door Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Style Name</th>
<th>Size</th>
<th>Handedness</th>
<th>Locking</th>
<th>Closer Type</th>
<th>Stopper</th>
<th>Door Base Style</th>
<th>Finish</th>
<th>Tag Hardware</th>
<th>Description</th>
<th>Center</th>
<th>Location</th>
<th>Door Track Type</th>
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</thead>
<tbody>
<tr>
<td>BD1</td>
<td>Lancaster_Glass_Barn_Door</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>LH</td>
<td>No Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M3, M12, M2</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>(3' - 6&quot;)</td>
<td>Barivot Barn Door Slim Track</td>
<td></td>
</tr>
<tr>
<td>BD2</td>
<td>Lancaster_Glass_Barn_Door</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>RH</td>
<td>No Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M3, M12, M2</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>(3' - 6&quot;)</td>
<td>Barivot Barn Door Slim Track</td>
<td></td>
</tr>
<tr>
<td>HD3</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>Passage</td>
<td>None</td>
<td>Gerry</td>
<td>DIRTT Peg (Wall Location)</td>
<td>ADA</td>
<td>M3, M14, M12</td>
<td>Door Lever Schlage</td>
<td>Passage Neptune</td>
<td>Door Lever Schlage</td>
<td>Neptune (3' - 2&quot;)</td>
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<tr>
<td>HD5</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 10 7/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>N/A</td>
<td>None</td>
<td>Gerry</td>
<td>DIRTT Peg (Wall Location)</td>
<td>N/A</td>
<td>M2, M16</td>
<td>AL50PD-626 Schlage</td>
<td>Neptune (Lock Set)</td>
<td>AL50PD-626 Schlage</td>
<td>Neptune (3' - 2&quot;)</td>
</tr>
<tr>
<td>HD6</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>Not Locking</td>
<td>None</td>
<td>Peg (Floor Location)</td>
<td>S116-626 ADA</td>
<td>M3, M14, M12</td>
<td>30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>Finish 30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>(3' - 6&quot;)</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>HD7</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>Not Locking</td>
<td>None</td>
<td>Gerry</td>
<td>DIRTT Peg (Wall Location)</td>
<td>ADA</td>
<td>M3, M14, M12</td>
<td>30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>Finish 30&quot; x 24&quot; C to C Bar Pull 630</td>
<td>(3' - 6&quot;)</td>
<td>N/A</td>
</tr>
<tr>
<td>HD17</td>
<td>Double_ButtHinge</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>N/A</td>
<td>None</td>
<td>Gerry</td>
<td>DIRTT Peg (Wall Location)</td>
<td>ADA</td>
<td>M3, M14, M12</td>
<td>COM Door Hardware (COM; Default COM Door Hardware)</td>
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<td></td>
<td></td>
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<tr>
<td>HD18</td>
<td>Double_ButtHinge</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>N/A</td>
<td>None</td>
<td>Gerry</td>
<td>DIRTT Peg (Wall Location)</td>
<td>ADA</td>
<td>M3, M14, M12</td>
<td>COM Door Hardware (COM; Default COM Door Hardware)</td>
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<td></td>
</tr>
<tr>
<td>HD19</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>N/A</td>
<td>None</td>
<td>Peg (Floor Location)</td>
<td>S116-626 ADA</td>
<td>M3, M14, M12</td>
<td>COM Door Hardware (COM; Default COM Door Hardware)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD20</td>
<td>Butt_Hinge_Door_Lancaster</td>
<td>Height 8' - 7 3/8&quot; X Width 3' - 1&quot;</td>
<td>RH</td>
<td>N/A</td>
<td>None</td>
<td>Peg (Floor Location)</td>
<td>S116-626 ADA</td>
<td>M3, M14, M12</td>
<td>COM Door Hardware (COM; Default COM Door Hardware)</td>
<td>N/A</td>
<td></td>
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</tr>
<tr>
<td>Tag Style Name</td>
<td>Size</td>
<td>Handedness</td>
<td>Locking</td>
<td>Closer Type</td>
<td>Stopper Door Base</td>
<td>Style</td>
<td>Finish</td>
<td>Tag Hardware Description</td>
<td>Center Location</td>
<td>AFF</td>
<td>Door Track Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>--------------</td>
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<td>-----------------</td>
<td>-----</td>
<td>-----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BD1 Lancaster Glass Barn Door</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>LH</td>
<td>No Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M3, M9, M1</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Barivot Barn Door Slim Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BD2 Lancaster Glass Barn Door</td>
<td>Height 8' - 7 7/8&quot; X Width 3' - 4 1/4&quot;</td>
<td>RH</td>
<td>No Piston</td>
<td>N/A</td>
<td>ADA</td>
<td>M3, M9, M1</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Standard Back to Back Bar Pull 630</td>
<td>Finish - 30&quot;</td>
<td>Barivot Barn Door Slim Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD2 Butt Hinge Door Lancaster</td>
<td>Height 8' - 7 7/16&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>LockSet</td>
<td>None</td>
<td>Gerry DIRTT Peg (Wall Location)</td>
<td>ADA</td>
<td>M3, M8, M9</td>
<td>Door Lever Schlage Lockset Neptune</td>
<td>Door Lever Schlage Lockset Neptune</td>
<td>(3' - 2&quot;)</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD7 Butt Hinge Door Lancaster</td>
<td>Height 8' - 10 7/8&quot; X Width 3' - 1&quot;</td>
<td>LH</td>
<td>LockSet</td>
<td>None</td>
<td>Gerry DIRTT Peg (Wall Location)</td>
<td>N/A</td>
<td>M1, M4 AL50PD-626</td>
<td>Schlage Neptune (Lock Set)</td>
<td>AL50PD-626 Schlage Neptune (Lock Set)</td>
<td>(3' - 2&quot;)</td>
<td>N/A</td>
<td></td>
<td></td>
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**DIRTT Walls Finish Schedule**

<table>
<thead>
<tr>
<th>Tag Finish</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>PWD DIRTT Powder Coated Grade 2 Powder Coat - Shimmer DPM50 (Metallic)</td>
</tr>
<tr>
<td>M2</td>
<td>PWD DIRTT Powder Coated Grade 1 Powder Coat - Black DP13 (Textured)</td>
</tr>
<tr>
<td>M3</td>
<td>ANO Grade 1 Anodized Anodized Finish - Clear</td>
</tr>
<tr>
<td>M4</td>
<td>THRM Thermofoil Grade 2 DIRTT OMNOVA Thermofoil Southwester</td>
</tr>
<tr>
<td>M5</td>
<td>PNT DIRTT Chroma Coat Grade 1 Chroma Coat - Fog DC02</td>
</tr>
<tr>
<td>M6</td>
<td>TFAB DIRTT Fabric G6 Strie Strie 820</td>
</tr>
<tr>
<td>M7</td>
<td>MDF Magnetic Markerboard .022mm CRS - Porcelain coated white laminate 2-Sided LPL Backed MDF</td>
</tr>
<tr>
<td>M8</td>
<td>PWD DIRTT Powder Coated Grade 2 Powder Coat - Shimmer DPM50 (Metallic)</td>
</tr>
<tr>
<td>M9</td>
<td>GLS Center Mounted Tempered Glass Tile 6mm Tempered Glass - Clear No Edge Polish6.0mm</td>
</tr>
<tr>
<td>M10</td>
<td>PNT DIRTT Chroma Coat Grade 1 Chroma Coat - Shimmer DC50</td>
</tr>
<tr>
<td>M11</td>
<td>GLS COM GLASS DIRECT TO SITE - COM Stickbuilt Glass Default 10mm COM Glass Flat Polish All Edges 10.0m</td>
</tr>
<tr>
<td>M12</td>
<td>MDF Magnetic Markerboard .022mm CRS - Porcelain coated white laminate 2-Sided LPL Backed MDF</td>
</tr>
<tr>
<td>M19</td>
<td>GLS Grade 1 (Non-metallic) Backpaint Starphire Glass: Polar White Flat Polish all edges6.0mm</td>
</tr>
<tr>
<td>LABEL</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------</td>
</tr>
<tr>
<td>P1</td>
<td>ADA WATER CLOSET</td>
</tr>
<tr>
<td>P2</td>
<td>ADA URINAL</td>
</tr>
<tr>
<td>P3</td>
<td>ADA LAV</td>
</tr>
<tr>
<td>P4</td>
<td>BREAK AREA SINK</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>
MONTERREY™
SINGLE CONTROL KITCHEN FAUCET
BRASS GOOSENECK SPOUT WITH 8" REACH

MODEL NUMBER:
- **6114.381** Single Control Faucet with Remote Valve
  - Field-convertible rigid / swivel gooseneck spout with 8" reach. Metal lever handle with red/blue index.
  - 1.5 gpm pressure compensating aerator.
  - With color matched spray.

- **6114.380** Single Control Faucet with Remote Valve
  - Field-convertible rigid / swivel gooseneck spout with 8" reach. Metal lever handle with red/blue index.
  - 1.5 gpm pressure compensating aerator. Less spray.

GENERAL DESCRIPTION:
Durable cast brass construction. Field-convertible rigid-swivel gooseneck spout with 8" reach. Ceramic disc valve cartridge with integral hot limit safety stop. 20" long S.S. flex inlet hoses with 3/8" compression fittings. Metal lever handle with red/blue index. 1.5 gpm/5.7L/min. maximum flow

PRODUCT FEATURES:
Pressure Compensating Aerator: Provides a constant water flow of 1.5 gpm throughout the pressure range.

Solid Brass Construction: Durable. Excellent in high use applications. Ideal for prolonged contact with water.

Ceramic Disc Valve Cartridge: Assures a lifetime of drip-free performance.

Adjustable Hot Limit Safety Stop: Limits the amount of hot water allowed to mix with cold. Reduces the risk of accidental scalding.

Field-Convertible Rigid / Swivel Gooseneck Spout

Lead Free: Faucet contains ≤ 0.25% total lead content by weighted average.

SUGGESTED SPECIFICATION:
Single control kitchen fitting shall feature a brass body with metal handle and brass field convertible rigid / swivel gooseneck spout with 8" reach. Shall also feature washerless ceramic disc valve cartridge with integral hot limit safety stop. Fitting shall be American Standard Model #6114.38_.002.

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CODES AND STANDARDS

These products meet or exceed the following codes and standards:

- ASME A112.18.1
- CSA B 125
- NSF 61/Section 9, Annex G
- CALGreen

![Graph showing flow rate vs. inlet pressure]

*Flow rates shown are for mixed hot and cold.

**Product Number** | **Description**                                                                                                                        | **Finish** |
---------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|
6114.381             | Single Control Faucet with Remote Valve. Field-convertible rigid / swivel spout with 8" reach. 1.5 gpm pressure compensating aerator. With color matched spray. | Polished   |
6114.380             | Single Control Faucet with Remote Valve. Field-convertible rigid / swivel spout with 8" reach. 1.5 gpm pressure compensating aerator. Less spray.                | Chrome     |

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES

**Other Aerators Available:**

<table>
<thead>
<tr>
<th>Part Suffix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LV15</td>
<td>1.5 gpm (5.7 Lpm) Vandal-Resistant PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>L15</td>
<td>1.5 gpm (5.7 Lpm) PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>V15</td>
<td>1.5 gpm (5.7 Lpm) Vandal-Resistant PCA Aerator</td>
</tr>
<tr>
<td>LV10</td>
<td>1.0 gpm (3.8 Lpm) Vandal-Resistant PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>L10</td>
<td>1.0 gpm (3.8 Lpm) PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>V10</td>
<td>1.0 gpm (3.8 Lpm) Vandal-Resistant PCA Aerator</td>
</tr>
<tr>
<td>V05</td>
<td>0.5 gpm (1.9 Lpm) Vandal-Resistant PCA Non-Aerated Spray</td>
</tr>
<tr>
<td>V035</td>
<td>0.35 gpm (1.3 Lpm) Vandal-Resistant PCA Non-Aerated Spray</td>
</tr>
</tbody>
</table>

*PCA - Pressure Compensating

All modifications meet CALGreen Code
COLONY® 15 x 15 ADA SINGLE BOWL STAINLESS STEEL KITCHEN SINK

22SB.6151511S.075

- Colony ADA Single Bowl Sink
- 1 hole on center
- 6" deep bowl
- 20 Gauge Stainless Steel
- Top Mount Installation
- Bottom Sound Deadening Pads with undercoating
- Waste fitting included
- Cutout template, installation instructions and top mount hardware included
- 18" (457mm) cabinet required
- Limited Lifetime Warranty

Nominal Dimensions:
15" x 15" x 6"
(381 x 381 x 152mm)

Bowl Size:
12-1/4" (311mm) wide
10-1/4" (260mm) front to back
6" (152mm) deep

SEE REVERSE FOR ROUGHING-IN DIMENSIONS AND PRODUCT SPECIFICATIONS

Compliance Certifications - Meets or Exceeds the Following Specifications:

- SINK:
  ASME A112.19.3

To Be Specified:
- Color: Stainless Steel .075

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.
NOTES:
* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIED AND "P" TRAP ARE SUGGESTED. FITTINGS NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. SEALING COMPOUND SUPPLIED BY OTHERS.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.3. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.
Bid Proposal for:

Specification/Concept Guide

PARRON HALL

lancaster.ca

it's positively clear.
### sky tile

**product type:** carpet tile  
**collection:** Places  
**style number:** 5T174  
**construction:** multi-level pattern loop  
**fiber:** eco solution q® nylon  
**dye method:** 100% solution dyed  
**primary backing:** synthetic  
**secondary backing:** ecoworx® tile  
**protective treatments:** ssp® shaw soil protection  
**warranty:** lifetime commercial limited

<table>
<thead>
<tr>
<th>Description</th>
<th>U.S.</th>
<th>Metric</th>
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<tbody>
<tr>
<td>product size</td>
<td>24.0 x 24.0 inches</td>
<td>61.0 x 61.0 cm</td>
</tr>
<tr>
<td>gauge</td>
<td>1/12 inch</td>
<td>47.2 per 10cm</td>
</tr>
<tr>
<td>stitches</td>
<td>9 per inch</td>
<td>36 per 10cm</td>
</tr>
<tr>
<td>finished pile thickness</td>
<td>0.089 inches</td>
<td>2.26 mm</td>
</tr>
<tr>
<td>density</td>
<td>6876 per cu.yd.</td>
<td>0.255 g/cm³</td>
</tr>
<tr>
<td>kilotex</td>
<td>9.61</td>
<td></td>
</tr>
<tr>
<td>total thickness</td>
<td>0.224 inches</td>
<td>5.69 mm</td>
</tr>
<tr>
<td>tuffed weight</td>
<td>17.0 oz/yd²</td>
<td>576.4 gms/sqm</td>
</tr>
</tbody>
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### recommended installation method

- monolithic
- quarter turn
- ashlar
- brick
- random

### coordinating products

- broadloom: summit, grove
- carpet tile: sea tile, sea edge tile, city central tile, central line tile

### performance + testing

- antimicrobial assessment: passes (AATCC-174) (When installed using Shaw 5036 adhesive)
- pill test: pass
- radiant panel: class I
- nbs smoke: less than 450
- electrostatic propensity: less than 3.5 kv
product transparency

Shaw Contract is dedicated to providing clients with a building chemistry that's safe and dependable. Working together, we will help you meet your goals as they pertain to material health. EcoWorx products with Eco Solution Q nylon are Cradle to Cradle Certified™ Silver and assessed for impacts on human health and the environment. This product can be recycled. When it's time to replace, we can collect and recycle it through our Environmental Guarantee.*

attributes + certifications

<table>
<thead>
<tr>
<th>Certification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Cradle to Cradle Certified™</td>
<td>silver level (version 3.1)</td>
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<tr>
<td>Health Product Declaration (HPD):</td>
<td>1,000 ppm disclosure</td>
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<tr>
<td>Environmental Product Declaration (EPD):</td>
<td>3rd party certified in accordance with ISO14044, ISO14025 &amp; EN15804</td>
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<tr>
<td>Living Building Challenge (LBC):</td>
<td>free of red list chemicals</td>
</tr>
<tr>
<td>Declare:</td>
<td>LBC compliant</td>
</tr>
<tr>
<td>nsf 140:</td>
<td>gold</td>
</tr>
<tr>
<td>CRI Green Label Plus (GLP):</td>
<td>USA (GLP9968)</td>
</tr>
<tr>
<td>Building Research Establishment (BRE):</td>
<td>certified</td>
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<tr>
<td>Good Environmental Choice Australia (GECA):</td>
<td>039-003</td>
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<tr>
<td>Singapore Green Label:</td>
<td>3rd party certified</td>
</tr>
<tr>
<td>ce marking (EN 14041):</td>
<td>free pickup &amp; delivery available north america</td>
</tr>
<tr>
<td>environmental guarantee*:</td>
<td>45% (post industrial 45%</td>
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<tr>
<td>total recycled content:</td>
<td>100% recyclable</td>
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<tr>
<td>product packaging:</td>
<td>China &amp; USA</td>
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green lead contribution credit

<table>
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<tr>
<th>Credit</th>
<th>Details</th>
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<tbody>
<tr>
<td>MR Credit: Building Product Disclosure and Optimization Environmental Product Declarations - Option 1: Environmental Product Declaration (EPD)</td>
<td>3rd party certified in accordance with ISO14044, ISO14025 &amp; EN15804</td>
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<tr>
<td>MR Credit: Building Product Disclosure and Optimization Material Ingredients - Option 1: Material Ingredient Reporting</td>
<td>HPD (version 2.1) or C2C silver level (version 3.1)</td>
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<tr>
<td>MR Credit: Building Product Disclosure and Optimization Material Ingredients - Option 2: Material Ingredient Optimization</td>
<td>C2C silver level (version 3.1)</td>
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<tr>
<td>EQ Credit: Low Emitting Materials Option 1: Product Category Calculations</td>
<td>green label plus certification: GLP9968</td>
</tr>
<tr>
<td>MR Credit: Interiors Life-Cycle Impact Reduction Option 3: Design for Flexibility</td>
<td>ecoworx tile w/ lokdots installation system</td>
</tr>
</tbody>
</table>

additional information

* To learn more about the recyclability of our products and our Environmental Guarantee, please visitshawcontract.com.
**Meets or exceeds all local and national regulations in country of manufacture.

Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate specification changes without notice. This carpet is an exclusive design and may not be duplicated in any manner. Use of this design in the creation of another carpet design is also strictly prohibited. Visitshawcontract.com/testing for more information.

Corporate Headquarters +1 800 257 7429 | +1 706 532 7984 | Atlanta +1 404 853 7429 | Bangalore +91 884 717 0303 x 0325 | Beijing +86 10 6568 5881 | Chicago +1 312 467 1331 | Dubai +971 4 313 2496 | Hong Kong +852 2623 0371 | Latin America (Miami) +1 305 827 5912 | London +44 20 796 1420 | Los Angeles +1 880 233 1614 | Melbourne +1 800 556 302 | Mexico City +52 5010 7600 | Nantong +86 400 800 7429 | New York +1 212 953 7429 | San Francisco +1 415 955 1920 | Santiago +562 2431 5000 x 550 | Shanghai +86 21 5258 9799 | Singapore +65 6733 1811 | Sydney +61 800 556 302

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January 03, 2020
Lynden Door
Interior Construction Series

FACES:
Limited wood veneers

SUBSTRATE:
Engineered wood composites or wood veneer plywood

CORE:
Particleboard ANSI A208.1 LD1  
Option: LD2

STILES:
(CE) Compatible with face veneer, mill option AWS Type A wood or Type B veneered
Option: (ME) Matching with face veneer

RAILS:
Mill option structural composite lumber, wood or composite material.

ASSEMBLY:
Stiles and rails are securely bonded to the core and the assembled unit is sanded prior to application of faces.

ADHESIVES:
Type 1

MAXIMUM SIZE:
4'0" x 8'0" (1219 mm x 2438 mm)

THICKNESS:
20 min rated 1 1/4" (45 mm)
Non-rated 1 3/4" (35 mm) or 1 3/4" (45 mm)

WARRANTY:
Five (5) years for interior use only. See warranty terms and conditions

STANDARDS:
Performance attributes meet or exceed WDMA IS-1A and AWS Extra Heavy Duty standards when specified with blocking for surface applied hardware without through bolts

FIRE RATING:
Positive Pressure Category B or Neutral Pressure  
Option: Positive Pressure Category A
Positive Pressure tested in accordance with UBC 7-2 1997, UL-10C and NFPA 252
Neutral Pressure with hose stream tested in accordance with UBC-7 1994 and UL-108
For additional information on fire doors please refer to the Lynden Door Fire Door Technical Sheets.

ACOUSTICAL RATING:
STC 32 ASTM E90-09 – Non operable
Option: OITC 30 - ASTM E90-09 – Non operable

ENVIRONMENTAL ATTRIBUTES:
Recycled content, regionally recovered and manufactured, may apply – see GREENDOR™ Contribution Sheets.

Manufacturing Options

BLOCKING:
Special blocking options may be specified. (Reference WDMA I.S.1A blocking options HB-1 through HB-8 )

MACHINING:
Machining for hardware, open cutouts, installation of lites and louvers, applied moldings, plant ons, raceways, concealed vertical rods, decorative routing, dutch doors, doors and transoms - Hardware cutouts shall be factory machined from manufacturer’s templates and shop drawings.

TRANSPARENT FINISH:
WDMA TR6 / AWS System 9 -UV cured catalyzed polyurethane finishes in standard and custom match stains  
Options: Other finish systems available

OPAQUE FINISH:
Factory painting in standard and custom match colors  
Options: Standard or color tinted priming available

All data and information provided is for informational purposes only. It is subject to change without notice. To be sure you have the latest revision page please either visit our website @ www.lyndendoor.com or contact your Lynden Door, Inc. representative.

August 30, 2010 – Revision 11
Fusion Pro® Single Component® Grout

1 Product Name
Fusion Pro® Single Component® Grout

2 Manufacturer
Custom Building Products
Technical Services
10400 Pioneer Boulevard, Unit 3
Santa Fe Springs, CA 90670
Customer Support: 800-272-8786
Technical Services: 800-282-8786
Fax: 800-200-7765
Email: contactus@cbpmail.net
custombuildingproducts.com

3 Product Description
Fusion Pro® the original stain proof, color perfect grout.* This professional grade sanded grout features unsurpassed stain resistance with no sealing required. Its Single Component® formula is ready to use and easy to spread and clean. Fusion Pro can be installed in commercial and residential environments, interiors and exteriors, and on walls and floors and specifically shower floors. Its patented formulation can be applied on all tiles and has built-in Microban antimicrobial product protection. *See warranty for details.

Key Features
- Stain proof and color perfect
- Unsurpassed performance
- Never needs sealing
- Easy to spread and clean
- Ready-to-use

Uses
- Use to fill joint widths 1/16" to 1/2" (1.6-13 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, shower walls and floors and high traffic areas

Suitable Tile Types
- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Polished, natural stone
- Groutable luxury vinyl tile

Composition of Product
Advanced polymers with inorganic fillers and pigments.

Benefits of Product in the Installation
- Stain proof grout
- No sealing required
- Ready to use
- Hard, durable grout joints
- No efflorescence
- Crack resistant
- MicroBan® antimicrobial product protection

Limitations to the Product
- Should not be installed when ambient or surface temperature is lower than 50° F (10° C) or above 90° F (32° C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile generally require sealing prior to grouting to prevent possible staining.
- Do not use Fusion Pro with irregularly shaped or spaced tile or stone, such as pebble stones, where joint widths or depths exceed 1/2".
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning.
- For heavy industrial tile installations, use CEG-IG 100% Solids Epoxy Grout.
- Not for use over concrete slabs with high moisture emission rates.
- Not for use in steam rooms or submerged applications (swimming pools, spas, water features and fountains).
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging
- All colors available in 1 gallon pails.
- Select colors available in 1 quart pails.
- Available in 40 standard colors.
4 Technical Data

Approvals

Meets many performance characteristics of A118.7 and A118.3.

Technical Chart

<table>
<thead>
<tr>
<th>Tests</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness at 28 days</td>
<td>ASTM D 2240 (Shore D)</td>
<td>76</td>
</tr>
<tr>
<td>Compressibility (psi grout joint)</td>
<td>CBP Method</td>
<td>3380</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>CBP Method</td>
<td>0.013</td>
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<tr>
<td>Stain</td>
<td>CTOA T-72- MODIFIED</td>
<td>0.5-1</td>
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<tr>
<td>Cleanability</td>
<td>as per 118.3</td>
<td>Pass</td>
</tr>
<tr>
<td>Chem Resistance</td>
<td>as per 118.3</td>
<td>Pass</td>
</tr>
<tr>
<td>Vertical Joint Sag</td>
<td>as per 118.3</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Tiled surface and joints must be clean, and adhesives must be dry. When grouting both vertical and horizontal substrates together, protect horizontal substrate from excess wash water that may fall during the cleaning of grout on walls by covering the floor area prior to grout installation on the walls.

Mixing Procedures

Ready to use – no mixing required. Do not use power mixer - will cause weaker joints.

Application of Product

- Pre-seal natural stones and porous or rough textured tile with Aqua Mix® Grout Release, Aqua Mix® Sealer’s Choice® Gold or TileLab® SurfaceGard®.
- Fusion Pro cures by evaporation. Ensure setting material has dried sufficiently, substrate does not have a high moisture emission rate and work area has adequate ventilation.
- Only spread for 1-4 minutes before cleaning grout off the tile surface. More can be spread in cool, damp conditions; less in hot, dry conditions.
- Do not allow Fusion Pro to dry or skin over prior to final cleaning. If grout dries on surface during installation, lightly moisten and wait 2-4 minutes, then gently clean tile surface using sponge or white nylon scrubber.

Fusion Pro is a new technology grout with significant advantages over traditional grouts, requiring modified installation techniques to achieve best results. Do not apply or clean up this grout as typically done with cement or epoxy grout.

Lightly dampen tile surface before spreading. Do not allow any water to puddle on the surface of the tile or in the grout joints. Use a medium to hard grout float to spread grout. Spread grout and fill joints for 2 minutes, typically 10 sq. ft. (0.9 m²) increments. More grout can be spread in cool, damp conditions; less in hot, dry conditions. Drag the edge of the float diagonally across the tile to remove excess grout while leaving the joints full. Cleaning of grouted area should begin immediately, before grouting next section.

Use a lightly damp grout sponge held flat against the tile. Working the entire 10 sq. ft. area, use a circular motion and moderate pressure to loosen any grout that is still adhered to the tile surface. Limit the number of times you rinse out the sponge at this stage. The residue on the sponge will help break up and soften residue on the surface of the tile. Do not over scrub as it may pull grout out of the joints. Grout joints must remain full. In areas where the Fusion Pro is well-adhered, leaving a visible film that is not releasing from the surface of the tile, re-apply a small amount of Fusion Pro. Slurry the grout with the clean up sponge until clean (approximately 30 seconds). Wipe the area clean with a rinsed, lightly damp sponge, followed by a lightly damp microfiber towel.

Once grout on tiled surfaces has been loosened, thoroughly rinse and wring out the sponge. Wipe the sponge once across the grouted tile diagonally to clean the face of the tile and create smooth consistent grout joints. Flip the sponge over and continue cleaning the next area. Rinse, wring and repeat until you have dragged a clean sponge face across the entire 10 sq. ft. area of freshly grouted tile.

Lastly, drag a lightly damp microfiber towel across the surface for final clean up. Do not allow Fusion Pro to dry or skin over prior to final cleaning. If grout dries on the surface, lightly moisten and wait 2-4 minutes, then gently clean the tile surface using a sponge (or a white nylon scrubber) to remove residue. If streaks or residue remain after 2 minutes, then gently clean the tile surface using a sponge (or a white nylon scrubber) to remove residue. If streaks or residue remain after 2 hours, use diluted Aqua Mix® Grout Haze Clean-Up, Aqua Mix® Non-Cement Grout Haze Remover, TileLab® Grout & Tile Cleaner or TileLab® Heavy Duty Stripper & Cleaner and clean with a sponge or scrub pad. Additional instruction and videos available online.

Curing of Product

Allow 24 hrs until light traffic, and 7 days at 70° F (21° C) and 50% relative humidity before intermittent water exposure (such as a shower enclosure). Lower temperatures and higher humidity will slow the cure times. Covering Fusion Pro immediately after grouting will extend the cure time. Grout should be allowed to cure 24 hours before covering with a highly-porous protective material to ensure a timely cure to protect the surface from other trades traffic. Lower temperatures and higher humidity will slow cure times. Exterior applications must be protected from rain, snow and other wet conditions for at least 7 days with temperature above 50° F (10° C). If inclement weather is expected, protect the work area with tenting at least 1 foot (30 cm) above the finished surface to allow air flow. Enclose and protect exterior installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Sealing of Tile Assembly

Download the Fusion Pro Installation Guide on our website for additional details.

Published Date: 4/23/2019
Fusion Pro® Single Component® Grout

Fusion Pro® grout is a stain resistant grout. Sealing is not necessary. If sealing of the tile is necessary, use a water based sealer like AquaMix Sealer’s Choice Gold and wipe off excess on grout joints. Do not use solvent-based sealers or enhancers with Fusion Pro.

Cleaning of equipment

Clean tools and hands with water before material dries.

Health Precautions

Contains ethylene glycol, 2-butoxy ethanol and acrylic latex. Avoid contact with eyes and skin. Do not take internally. CAUTION: KEEP OUT OF REACH OF CHILDREN. Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. FIRST AID: If eye or skin contact, flush thoroughly with water. If in case of respiratory tract irritation, move person to fresh air. If irritation persists, seek medical attention. Ingested, do not induce vomiting. Seek medical attention. This product contains a chemical or chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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<tr>
<th>Item Code</th>
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<th>Grout Color</th>
<th>Package</th>
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<td>#9 Natural Gray</td>
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<td>FP101-2T</td>
<td>1 gal (3.78 L)</td>
<td>#10 Antique White</td>
<td>Pail</td>
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<td>FP111-2T</td>
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<td>FP191-2T</td>
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<td>#19 Pewter</td>
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<td>FP451-2T</td>
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<td>#45 Summer Wheat</td>
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<td>#59 Saddle Brown</td>
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<td>#60 Charcoal</td>
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<td>FP1011-2T</td>
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<td>#105 Earth</td>
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<td>#156 Fawn</td>
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<td>#172 Urban Putty</td>
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<td>FP1831-2T</td>
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<td>#380 Haystack</td>
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<td>FP3811-2T</td>
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<td>#381 Bright White</td>
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<td>FP3821-2T</td>
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<td>#382 Bone</td>
<td>Pail</td>
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<tr>
<td>FP3861-2T</td>
<td>1 gal (3.78 L)</td>
<td>#386 Oyster Gray</td>
<td>Pail</td>
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<td>FP4011-2T</td>
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<td>#540 Truffle</td>
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<td>FP5411-2T</td>
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<td>#541 Walnut</td>
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<td>FP5421-2T</td>
<td>1 gal (3.78 L)</td>
<td>#542 Graysstone</td>
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<tr>
<td>FP5431-2T</td>
<td>1 gal (3.78 L)</td>
<td>#543 Driftwood</td>
<td>Pail</td>
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<td>FP5441-2T</td>
<td>1 gal (3.78 L)</td>
<td>#544 Rolling Fog</td>
<td>Pail</td>
</tr>
<tr>
<td>FP5451-2T</td>
<td>1 gal (3.78 L)</td>
<td>#545 Bleached Wood</td>
<td>Pail</td>
</tr>
<tr>
<td>FP5461-2T</td>
<td>1 gal (3.78 L)</td>
<td>#546 Cape Gray</td>
<td>Pail</td>
</tr>
<tr>
<td>FP5471-2T</td>
<td>1 gal (3.78 L)</td>
<td>#547 Ice Blue</td>
<td>Pail</td>
</tr>
<tr>
<td>FP5481-2T</td>
<td>1 gal (3.78 L)</td>
<td>#548 Surf Green</td>
<td>Pail</td>
</tr>
</tbody>
</table>

Select colors are also available in a quart size container.

Published Date: 4/23/2019
The following colors are discontinued as of March 2015: #92 Admiral Blue, #96 Quarry Red Clay, #99 Burnt Clay, #127 Antique Linen, #168 Slate Gray, #190 Bay Leaf, #301 Arctic Ice, #305 Onyx Green, #311 Moss, #312 Bonsai, #365 Canvas, #384 Camel, #390 Rose Beige

See our color card for truest color representation when selecting or specifying a grout color. Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

7 Product Warranty
Obtain the applicable LIMITED PRODUCT WARRANTY at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

Also see our Fusion Pro Stain Proof, Color Perfect warranty here.

When Fusion Pro® Single Component® Grout is used as a part of a qualifying full installation system of CUSTOM products, the installation can qualify for up to a lifetime system warranty. CUSTOM will repair and/or replace, at its discretion, the affected area of the system. For more information, find details and limitations to this warranty at custombuildingproducts.com.

8 Product Maintenance
Clean with a neutral cleaner such as Aqua Mix AquaKleen, Aqua Mix Concentrated Stone & Tile Cleaner or Tilelab Grout & Tile Cleaner.

9 Technical Services Information
For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

10 Filing System
Additional product information is available from the manufacturer upon request.

Also refer to CUSTOM Technical Bulletins:
- TB57: Grout Maintenance
- TB77: Installing Fusion Pro
- TB85: Grout Joint Width Considerations
- TB86: Grout Joints Less than 1/8”

Handling & Storage
Protect grout from freezing. If product freezes, return to room temperature and use as directed. Do not stir if partially frozen.

Related Products
Polyblend® Ceramic Tile Caulk
Commercial 100% Silicone Sealant
Aqua Mix® Grout Haze Clean-Up
Aqua Mix® Grout Release
Fusion Pro® Single Component® Grout Designer Series
TileLab® Grout & Tile Cleaner
**Fusion Pro® Single Component® Grout**

### Coverage

1 gallon pail of Fusion Pro Grout in ft² (m²) per gallon

<table>
<thead>
<tr>
<th>Tile Size</th>
<th>Joint Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width x Length x Thickness</td>
<td>1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>1&quot; x 1&quot; x 1/4&quot; (2.5 x 2.5 x .64 cm)</td>
<td>55 ft² (5.1 m²)</td>
</tr>
<tr>
<td>2&quot; x 2&quot; x 1/4&quot; (5 x 5 x .64 cm)</td>
<td>103 ft² (9.6 m²)</td>
</tr>
<tr>
<td>3&quot; x 3&quot; x 1/4&quot; (7.6 x 7.6 x .64 cm)</td>
<td>152 ft² (14.1 m²)</td>
</tr>
<tr>
<td>4.25&quot; x 4.25&quot; x 1/4&quot; (10.8 x 10.8 x .64 cm)</td>
<td>213 ft² (19.8 m²)</td>
</tr>
<tr>
<td>6&quot; x 6&quot; x 1/4&quot; (15.2 x 15.2 x .64 cm)</td>
<td>298 ft² (27.7 m²)</td>
</tr>
<tr>
<td>8&quot; x 8&quot; x 3/8&quot; (20.3 x 20.3 x 1 cm)</td>
<td>263 ft² (24.4 m²)</td>
</tr>
<tr>
<td>12&quot; x 12&quot; x 3/8&quot; (30.5 x 30.5 x 1 cm)</td>
<td>393 ft² (36.5 m²)</td>
</tr>
<tr>
<td>16&quot; x 16&quot; x 3/8&quot; (40.6 x 40.6 x 1 cm)</td>
<td>523 ft² (48.6 m²)</td>
</tr>
<tr>
<td>18&quot; x 18&quot; x 3/8&quot; (45.7 x 45.7 x 1 cm)</td>
<td>588 ft² (54.6 m²)</td>
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<tr>
<td>20&quot; x 20&quot; x 3/8&quot; (50.8 x 50.8 x 1 cm)</td>
<td>653 ft² (60.7 m²)</td>
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<tr>
<td>24&quot; x 24&quot; x 3/8&quot; (61 x 61 x 1 cm)</td>
<td>782 ft² (72.6 m²)</td>
</tr>
<tr>
<td>6&quot; x 24&quot; x 3/8&quot; (15.2 x 61 x 1 cm)</td>
<td>315 ft² (29.3 m²)</td>
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<tr>
<td>12&quot; x 24&quot; x 3/8&quot; (30.5 x 61 x 1 cm)</td>
<td>523 ft² (48.6 m²)</td>
</tr>
<tr>
<td>6&quot; x 36&quot; x 3/8&quot; (15.2 x 91.4 x 1 cm)</td>
<td>338 ft² (31.4 m²)</td>
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<tr>
<td>9 x 36&quot; x 3/8&quot; (22.9 x 91.4 x 1 cm)</td>
<td>471 ft² (43.8 m²)</td>
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<tr>
<td>12&quot; x 48&quot; x 3/8&quot; (30.5 x 122 x 1 cm)</td>
<td>627 ft² (58.2 m²)</td>
</tr>
</tbody>
</table>

1 quart pail of Fusion Pro Grout in ft³ (m³) per quart

*Published Date: 4/23/2019*
<table>
<thead>
<tr>
<th>Tile Size</th>
<th>Joint Width</th>
</tr>
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<tbody>
<tr>
<td>Width x Length x Thickness</td>
<td>1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>1&quot; x 1&quot; x 1/4&quot; (2.5 x 2.5 x .64 cm)</td>
<td>14 ft² (1.3 m²)</td>
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<tr>
<td>2&quot; x 2&quot; x 1/4&quot; (5 x 5 x .64 cm)</td>
<td>26 ft² (2.4 m²)</td>
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<tr>
<td>3&quot; x 3&quot; x 1/4&quot; (7.6 x 7.6 x .64 cm)</td>
<td>38 ft² (3.5 m²)</td>
</tr>
<tr>
<td>4.25&quot; x 4.25&quot; x 1/4&quot; (10.8 x 10.8 x .64 cm)</td>
<td>53 ft² (4.9 m²)</td>
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<td>74 ft² (6.9 m²)</td>
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<tr>
<td>8&quot; x 8&quot; x 3/8&quot; (20.3 x 20.3 x 1 cm)</td>
<td>66 ft² (6.1 m²)</td>
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<tr>
<td>12&quot; x 12&quot; x 3/8&quot; (30.5 x 30.5 x 1 cm)</td>
<td>98 ft² (9.1 m²)</td>
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<tr>
<td>16&quot; x 16&quot; x 3/8&quot; (40.6 x 40.6 x 1 cm)</td>
<td>131 ft² (12.1 m²)</td>
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<tr>
<td>18&quot; x 18&quot; x 3/8&quot; (45.7 x 45.7 x 1 cm)</td>
<td>147 ft² (13.7 m²)</td>
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<td>20&quot; x 20&quot; x 3/8&quot; (50.8 x 50.8 x 1 cm)</td>
<td>163 ft² (15 m²)</td>
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<td>196 ft² (18 m²)</td>
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<td>79 ft² (7.3 m²)</td>
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<tr>
<td>12&quot; x 24&quot; x 3/8&quot; (30.5 x 61 x 1 cm)</td>
<td>131 ft² (12.1 m²)</td>
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<tr>
<td>6&quot; x 36&quot; x 3/8&quot; (15.2 x 91.4 x 1 cm)</td>
<td>85 ft² (7.9 m²)</td>
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<tr>
<td>9 x 36&quot; x 3/8&quot; (22.9 x 91.4 x 1 cm)</td>
<td>118 ft² (10.9 m²)</td>
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<tr>
<td>12&quot; x 48&quot; x 3/8&quot; (30.5 x 122 x 1 cm)</td>
<td>157 ft² (14.6 m²)</td>
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Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the Material Calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.
**grain direct glue**

<table>
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<tr>
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<th>grain + pigment</th>
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<td>Style number</td>
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<tr>
<td>Construction</td>
<td>commercial luxury vinyl tile</td>
</tr>
<tr>
<td>Class / ASTM F1700</td>
<td>class III, type B</td>
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<tr>
<td>Finish</td>
<td>ExoGuard™</td>
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<table>
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<th>Metric</th>
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</tr>
<tr>
<td>Actual dimensions</td>
<td>7 in w x 48 in l</td>
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<tr>
<td>Wear layer thickness</td>
<td>20 mil (0.02 in)</td>
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<tr>
<td>Overall thickness</td>
<td>0.098 in</td>
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<tr>
<td>Edge profile</td>
<td>square</td>
</tr>
<tr>
<td>Installation</td>
<td>direct glue</td>
</tr>
<tr>
<td>Recommended adhesive</td>
<td>shaw 4100, s150 or shaw 4151</td>
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**Coordinating Products**

**LVT:** grain lvt, pigment lvt, pigment direct glue lvt

**Performance + Testing**

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<thead>
<tr>
<th>Static load (ASTM F970)</th>
<th>passes (modified), *1000 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual indentation (ASTM F1914)</td>
<td>passes</td>
</tr>
<tr>
<td>Resistance to heat (ASTM F1514)</td>
<td>passes</td>
</tr>
<tr>
<td>Resistance to light (ASTM F1515)</td>
<td>passes</td>
</tr>
<tr>
<td>Resistance to chemicals (ASTM F925)</td>
<td>passes</td>
</tr>
<tr>
<td>Smoke density (ASTM E662, flaming mode)</td>
<td>passes</td>
</tr>
<tr>
<td>Radiant panel (ASTM E648)</td>
<td>passes, class I</td>
</tr>
</tbody>
</table>

*This test is intended to compare relative properties of different styles and constructions. Results are based on a laboratory test and used for comparative purposes - real life load limit may vary.*

---

For reference purposes only if printed or downloaded.
warranties

15 year commercial limited
commercial limited underbed bond

product transparency

Shaw Contract is dedicated to providing clients with a building chemistry that’s safe and dependable. Working together, we will help you meet your goals as they pertain to material health. Luxury Vinyl Tile products are UL Certified with an Industry-Wide EPD and are assessed for impacts on human health and the environment.

attributes + certifications

Environmental Product Declaration (EPD)

FloorScore®
ce marking (EN 14041)

green leed contribution credit

MR Credit: Building Product Disclosure and Optimization

EQ Credit: Low Emitting Materials

Option 1: Environmental Product Declaration

Option 1: Product Category Calculations

3rd party certified in accordance with ISO 14025, EN 15804, and ISO 21930:2017

Certified

3rd party certified

RFCi Industry Average EPD (50%)

Floorscore Certified

Please visit www.shawcontract.com for the most current warranty information. Specifications are subject to nominal manufacturing variance. Material supply and/or manufacturing processes may necessitate changes without notice. This product is an exclusive design and may not be duplicated in any manner. Use of this design in the creation of another product design is also strictly prohibited.

Visit shawcontract.com/testing for more information.

Collection Grain + Pigment
Style: grain 0364V
Color: chicory 64752
With the ONE Quartz Surfaces® assortment, we’ve brought together the beauty of quartz and modern technology to create new and exciting possibilities. Available in both slab and tile*, ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that’s what ONE Quartz Surfaces® is all about.

AVAILABLE IN:
Within these unique series, you’ll have more selection than ever before.

- Geo Flecks Series
- Micro Flecks Series
- Nature Series
- West Village Series
- ONE Quartz Basics

### RESISTANCE

<table>
<thead>
<tr>
<th></th>
<th>PRICE</th>
<th>STYLE</th>
<th>CHIPS</th>
<th>HEAT</th>
<th>STAIN</th>
<th>SCRATCHES</th>
<th>SEALING REQUIRED</th>
<th>MAINTENANCE</th>
<th>PROS</th>
<th>CONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ONE Quartz Surfaces®</td>
<td>$$$</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>NO</td>
<td>NO</td>
<td>Highly stain resistant</td>
<td>Not as heat-resistant as natural stone</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excellent for undermount sinks</td>
<td>Can be discolored by direct sunlight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Engineered, so has consistent look</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tons of colors to choose from</td>
<td></td>
</tr>
</tbody>
</table>

* Available via special order in limited colors only.
ODE TO GEO. Infuse your space with the raw beauty of the Geo Flecks Series. Select from a neutral palette of colors speckled with flecks of character to create a room as calm or quirky as you wish. Perfectly versatile for any design.

Photo features ONE Quartz Surfaces® Geo Flecks Series Chipped Ice on the counter.
GEO FLECKS SERIES

* CHIPPED ICE NQ91

PACIFIC SAND NQ22

RIVERBANK NQ93

* ONE Quartz Basics
PRODUCT INFORMATION

Finishes | Thickness
--- | ---
Polished (Stocked) | 1-1/4" (3 cm) & 3/4" (2 cm)
Semi-polished (Special Order)
Honed (Special Order)
Leather (Special Order)

Custom slab finishes in semi-polished, honed and leather are available by special order.
Not all colors available in alternative finishes. Please contact your local slab center for availability.
Thinner slabs available upon request.
Please contact your local slab center to confirm sizes and availability.
Standard tile sizes available by special order only where applicable.

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Exterior Floor Applications (including pool deck &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60</td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:
Geo Flecks Series not suitable for exterior applications due to small resin content. The sun will etch the material.
*NQ91 not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breaking Strength</td>
<td>C648</td>
</tr>
<tr>
<td>Compressive Strength (min)</td>
<td>C170</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C241</td>
</tr>
<tr>
<td>Abrasion Wear Index</td>
<td>C501</td>
</tr>
<tr>
<td>Thermal Expansion</td>
<td>C531</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>C97</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>C880</td>
</tr>
<tr>
<td>Ultraviolet Light Resistance</td>
<td>C23</td>
</tr>
<tr>
<td>Stain &amp; Chemical Resistance (24-hour immersion)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

TILE PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption</td>
<td>C97</td>
</tr>
<tr>
<td>Compressive Strength (min)</td>
<td>C170</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>C650</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C1027</td>
</tr>
</tbody>
</table>

NOTES
ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.
ONE Quartz Surfaces products are virtually maintenance free.
ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.
ONE Quartz Surfaces products have a durable, scratch-resistant surface.
ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).
Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.
Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.
White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.
For information refer to “Factors to Consider” at daltile.com/Factors.

APPLICATION NOTES:
Geo Flecks Series not suitable for exterior applications due to small resin content. The sun will etch the material.

USAGE

Floor | Wall | Countertop
--- | --- | ---
F | W | C

FLOOR INVENTORY NOT STOCKED, AVAILABLE ON CUSTOM ORDER BASIS ONLY.
MICRO DETAIL. MEGA IMPACT. Marvel in the Micro Flecks Series with stunning visuals in a spectrum of colors suitable for any design or décor. From the purest white to the blackest black; bold patterns to clean and contemporary, the opportunities are endless. Let your imagination run wild.
Photo features ONE Quartz Surfaces® Micro Flecks Series Simply White on the counter.
FLOOR | WALL | COUNTERTOPS

ONE QUARTZ SURFACES®
MICRO FLECKS SERIES

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polished (Stocked)</td>
<td>1-1/4” (3 cm) &amp; 3/4” (2 cm)</td>
</tr>
<tr>
<td>Semi-polished (Special Order)</td>
<td></td>
</tr>
<tr>
<td>Honed (Special Order)</td>
<td></td>
</tr>
<tr>
<td>Leather (Special Order)</td>
<td></td>
</tr>
</tbody>
</table>

Custom slab finishes in semi-polished, honed and leather are available by special order. Not all colors available in alternative finishes. Please contact your local slab center for availability. Thinner slabs available upon request. Please contact your local slab center to confirm sizes and availability. Standard tile sizes available by special order only where applicable.

INSTALLATION

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile : 1/16”</td>
<td>Low (V1)</td>
</tr>
</tbody>
</table>

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
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</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

Micro Flecks Series not suitable for exterior applications due to small resin content. The sun will etch the material. * NQ09, NQ30, NQ66, NQ76 and NQ90 are not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C648</td>
<td>1,207 lbs</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C241</td>
<td>60+</td>
</tr>
<tr>
<td>C501</td>
<td>120</td>
</tr>
<tr>
<td>C531</td>
<td>1.2 x 10^-5</td>
</tr>
<tr>
<td>C97</td>
<td>0.3 - 0.1%</td>
</tr>
<tr>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>C23</td>
<td>Passes</td>
</tr>
<tr>
<td>C9</td>
<td>No effect</td>
</tr>
</tbody>
</table>

FLOOR INVENTORY NOT STOCKED, AVAILABLE ON CUSTOM ORDER BASIS ONLY.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite. ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure). Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.

Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

For information refer to “Factors to Consider” at daltile.com/Factors.

FIFTEEN YEAR WARRANTY

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.

USAGE

<table>
<thead>
<tr>
<th>Floors</th>
<th>Walls</th>
<th>Countertops</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>W</td>
<td>C</td>
</tr>
</tbody>
</table>
AT ONE WITH NATURE. Let the Nature Series transport you outdoors with stunning visuals in an array of earth inspired colors. Dazzle in design with striking vein patterns, traditionally found in the rarest of marble, to subdued solids for a more sophisticated space. Discover a whole new meaning of mother nature.
Photo features ONE Quartz Surfaces® Nature Series Calacatta Lyra on the counter.
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polished (Stocked)</td>
<td>1-1/4&quot; (3 cm) &amp; 3/4&quot; (2 cm)</td>
</tr>
<tr>
<td>Semi-polished (Special Order)</td>
<td></td>
</tr>
<tr>
<td>Honed (Special Order)*</td>
<td></td>
</tr>
<tr>
<td>Leather (Special Order)</td>
<td></td>
</tr>
</tbody>
</table>

* Ash Grey Honed is stocked.

Custom slab finishes in semi-polished, honed and leather are available by special order.
Not all colors available in alternative finishes. Please contact your local slab center for availability.
Thinner slabs available upon request. Please contact your local slab center to confirm sizes and availability.
Standard tile sizes available by special order only where applicable.

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<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile: 1/16&quot;</td>
<td>Low (VI)</td>
</tr>
</tbody>
</table>

NOTES

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Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.
White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.
For information refer to "Factors to Consider" at daltile.com/Factors.

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
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<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
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</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

Nature Series not suitable for exterior applications due to small resin content. The sun will etch the material.
* NQ06, NQ08, OQ09, OQ10, OQ11, OQ12, OQ15, NQ28, NQ32, NQ36, NQ50, NQ63, NQ75, NQ96 and NQ97 are not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C648</td>
<td>1,207 lbs</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C241</td>
<td>60+</td>
</tr>
<tr>
<td>C501</td>
<td>120</td>
</tr>
<tr>
<td>C531</td>
<td>1.2 x 10-5</td>
</tr>
<tr>
<td>C97</td>
<td>0.3-0.1%</td>
</tr>
<tr>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>G23</td>
<td>Passes</td>
</tr>
<tr>
<td>C97</td>
<td>No effect</td>
</tr>
</tbody>
</table>

TILE PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C97</td>
<td>0.3 - 0.1%</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>C1027</td>
<td>3</td>
</tr>
</tbody>
</table>

FLOOR INVENTORY NOT STOCKED, AVAILABLE ON CUSTOM ORDER BASIS ONLY.

USAGE

<table>
<thead>
<tr>
<th>Floors</th>
<th>Walls</th>
<th>Countertops</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>W</td>
<td>C</td>
</tr>
</tbody>
</table>
WEST VILLAGE SERIES

WELCOME TO THE CITY. Like the Big Apple, it combines the toughness of the Bronx, with the beauty of Central Park. It’s modern, earthy, and ready for anything the population can dish out. This is no urban legend. It’s the new One Quartz West Village Series from Daltile. Earth tones featuring organic natural looks, bustling with city style and sophistication. Perfect for transforming countertops, fireplaces, bathrooms, or even lobbies. Ready to take your ideas to penthouse heights? Then you’re ready for the West Village Series.
WEST VILLAGE SERIES

NEW! AVENUE WHITE QQ01*

NEW! ASTOR GREY QQ02

NEW! EMPIRE GREY QQ05

NEW! BARCLAY TAN QQ04

NEW! BROADWAY BLACK QQ03*

LINCOLN WHITE QQ59

CABRINI GREY QQ51

MERCER GREY QQ52

LUDLOW TAN QQ55

COLUMBUS BROWN QQ56

* Material also stocked in Polished finish
Photo features ONE Quartz Surfaces® West Village Series Broadway Black on the counter and wall.
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leather (Stocked)</td>
<td>1-1/4” (3 cm) &amp; 3/4” (2 cm)</td>
</tr>
<tr>
<td>Polished (Special Order)*</td>
<td></td>
</tr>
</tbody>
</table>

* Avenue White & Broadway Black polished is stocked.

Custom slab finishes in semi-polished, honed and leather are available by special order. Not all colors available in alternative finishes. Please contact your local slab center for availability.

Thinner slabs available upon request. Please contact your local slab center to confirm sizes and availability.

Standard tile sizes available by special order only where applicable.

INSTALLATION

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile: 1/16”</td>
<td>Low (V1)</td>
</tr>
</tbody>
</table>

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.

Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

For information refer to "Factors to Consider" at daltile.com/Factors.

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>≥ 0.42</td>
<td>✓</td>
</tr>
<tr>
<td>≥ 0.60</td>
<td>✓</td>
</tr>
<tr>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>N/A</td>
<td>✓</td>
</tr>
</tbody>
</table>

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

West Village Series not suitable for exterior applications due to small resin content. The sun will etch the material.

* OQ01 and NQ59 not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4648</td>
<td>1,207 lbs</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C241</td>
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<tr>
<td>C501</td>
<td>120</td>
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<tr>
<td>C531</td>
<td>1.2 x 10^-5</td>
</tr>
<tr>
<td>C97</td>
<td>.03 - .01%</td>
</tr>
<tr>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>C23</td>
<td>Passes</td>
</tr>
<tr>
<td>C24</td>
<td>No effect</td>
</tr>
</tbody>
</table>

TILE PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C97</td>
<td>.03 - .01%</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C1027</td>
<td>3</td>
</tr>
</tbody>
</table>

FLOOR INVENTORY NOT STOCKED, AVAILABLE ON CUSTOM ORDER BASIS ONLY.
FLOOR

SADDLE BROOK XT™
GLAZED PORCELAIN with STEPWISE® TECHNOLOGY

SIZES

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Sq. Ft./Carton</th>
<th>Pieces/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 36 Floor Tile</td>
<td>5/16&quot;</td>
<td>13.05</td>
</tr>
<tr>
<td>(5-7/8&quot; x 35-7/16&quot;)</td>
<td>(15.00 cm x 90.00 cm)</td>
<td>9</td>
</tr>
</tbody>
</table>

APPLICATIONS

Target DCOF wet  Suitable

Dry & Level – Interior Floor | N/A | ✔
Wet & Level – Interior Floor | ≥ 0.42 | ✔
Shower Floors (Residential or Light Commercial) | ≥ 0.42 |
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear) | ≥ 0.60 | ✔
Ramps & Inclines | ≥ 0.65 |
Walls/Backsplashes | N/A | ✔
Countertops | N/A | ✔
Pool Linings | N/A |

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:
Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

STEPWISE™
Patent-pending StepWise™ is a revolutionary technology that provides superior slip resistance to surfaces. Tile with StepWise™ can be safely used in a wide array of commercial applications and remains suitable for residential applications.

TRIM

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Size</th>
<th>Pieces/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bullnose</td>
<td>S-43H9</td>
<td>3 x 18</td>
<td>16</td>
</tr>
</tbody>
</table>

Floor bullnose trim is intended to coordinate with floor tile in the standard 90-degree installation position. Bullnose stocked in Saddle Brook™ colors SD13–SD16. Colors SD13–SD16 coordinate with Saddle Brook XT™ colors SD83–SD86. Saddle Brook XT bullnose colors SD83–SD86 available by special order with extended lead time. Please specify Saddle Brook or Saddle Brook XT color designation when ordering bullnose trim tile.

INSTALLATION

Grout Joint Recommendation Shade Variation
3/16” (Overlap should not exceed 33% when installing tile with a length 15” or greater in a staggered brick-joint pattern.) High (V3)

PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C373</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>C648</td>
<td>&gt; 275 lbs.</td>
</tr>
<tr>
<td>MOHS</td>
<td>8.0</td>
</tr>
<tr>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>C1027</td>
<td>3–4</td>
</tr>
</tbody>
</table>

For additional information on test results, visit us at: daltile.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to “Factors to Consider” at: daltile.com/Factors.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Use of a latex modified thin-set is recommended for installation. For more information.
FLOOR TILE*

OAK TRAIL XT SD83

FARMHOUSE XT SD84

WALNUT CREEK XT SD85

GRAVEL ROAD XT SD86

* Also available in Saddle Brook SD13-16 for interior floor applications.
FLOOR TILE
Available in Light Polished & Unpolished

PLASTER VISUAL
- SONATA WHITE CH20
- ALLEGRO BEIGE CH21
- CANON GREY CH22

CEMENT VISUAL
- FORTE GREY CH25
- RHYTHM BROWN CH23
- BARITONE BROWN CH24

TEXTURED DECORATIVE ACCENT
Available in Unpolished only

PLASTER VISUAL
- SONATA WHITE CH20
- ALLEGRO BEIGE CH21
- CANON GREY CH22

CEMENT VISUAL
- FORTE GREY CH25
- RHYTHM BROWN CH23
- BARITONE BROWN CH24
DECORATIVE ACCENT PATTERN OPTIONS  
(SHOWN IN ALLEGRO BEIGE) 

OPTION 1: CHEVRON PATTERN  
OPTION 2: DIAMOND PATTERN

3" TRIANGLE MOSAIC
Available in Unpolished only

SONATA WHITE CH20  
ALLEGRO BEIGE CH21  
CANON GREY CH22

FORTE GREY CH25  
RHYTHM BROWN CH23  
BARITONE BROWN CH24

T-3
### SIZES

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness Sq. Ft./Carton</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 x 48 Floor Tile</td>
<td>(23-3/8” x 46-15/16”)</td>
<td>3/8” 15.26 2</td>
</tr>
<tr>
<td>24 x 24 Floor Tile</td>
<td>(23-3/8” x 23-3/8”)</td>
<td>3/8” 15.20 4</td>
</tr>
<tr>
<td>12 x 24 Floor Tile</td>
<td>(11-5/8” x 23-3/8”)</td>
<td>3/8” 15.12 8</td>
</tr>
<tr>
<td>12 x 24 Textured Decorative Accent*</td>
<td>(11-5/8” x 23-3/8”)</td>
<td>3/8” 15.12 8</td>
</tr>
<tr>
<td>3” Triangle Mosaic* (Mesh-mounted)</td>
<td>(11-5/8” x 14-1/2” Sheet)</td>
<td>3/8” 5.95 5</td>
</tr>
</tbody>
</table>

### INSTALLATION

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor: 1/8” (3/16” when installing tile with a length 15” or greater in a staggered brick-joint pattern; overlap should not exceed 33%)</td>
<td>High (V3)</td>
</tr>
<tr>
<td>Mosaic: 1/8”</td>
<td></td>
</tr>
</tbody>
</table>

### PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption C373</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>Breaking Strength C648</td>
<td>&gt; 275 lbs</td>
</tr>
<tr>
<td>Scratch Hardness MOHS</td>
<td>8.0</td>
</tr>
<tr>
<td>Chemical Resistance C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>Abrasion Resistance C1027</td>
<td>N/A</td>
</tr>
</tbody>
</table>

For additional information on test results, visit us at: daltile.com/information/TestResults.

### NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to “Factors to Consider” at: daltile.com/Factors.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the surface. Use of a latex modified thin-set is recommended for installation.

### TRIM

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Size</th>
<th>Pieces/</th>
<th>Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor Bullnose</td>
<td>P-43C9</td>
<td>3 x 24</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Cove Base*</td>
<td>P-36C9T</td>
<td>6 x 12</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Cove Base Corner*</td>
<td>PC-36C9T</td>
<td>1 x 6</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Cove base trim is intended to coordinate with floor tile in the standard 90-degree installation position.

* Unpolished only

### APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A ✓</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42 ✓**</td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
<td>≥ 0.42 ✓**</td>
</tr>
<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60 ✓**</td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65 ✓</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A ✓</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A ✓</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A ✓**</td>
</tr>
</tbody>
</table>

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

**APPLICATION NOTES:**

Suitable for exterior applications in freezing and non-freezing climates when proper installation methods are followed.

* Unpolished floor and mosaic tile only

** Mosaic tile only
**SEMI-GLOSS**

- **BLACK**
  - K111 (2)

- **ARCTIC WHITE**
  - 0190 (1)

- **BISCUIT**
  - K175 (1)

- **URBAN PUTTY**
  - 0161 (2)

- **ARCHITECTURAL GRAY**
  - 0109 (2)

- **DESERT GRAY**
  - X114 (1)

- **SUEDE GRAY**
  - 0182 (2)

- **CHALKBOARD**
  - 0180 (2)

**MATTE**

- **MATTE BLACK**
  - K11 (2)

- **MATTE ARCTIC WHITE**
  - 0790 (1)

- **MATTE BISCUIT**
  - K775 (1)

- **MATTE URBAN PUTTY**
  - 0761 (2)

- **MATTE ARCHITECTURAL GRAY**
  - 0709 (2)

- **MATTE DESERT GRAY**
  - X714 (1)

- **MATTE SUEDE GRAY**
  - 0782 (2)

- **MATTE CHALKBOARD**
  - 0780 (2)

**ACCENT**

- **MUSTARD**
  - 1012 (3)

- **ORANGE BURST**
  - 1097 (3)

- **CURRANT**
  - SH17 (3)

- **EMERALD**
  - 0115 (3)

- **SEA BREEZE**
  - 1174 (3)

- **OCEAN BLUE**
  - 1049 (3)

- **NAVY**
  - K189 (3)

- **PLUM CRAZY**
  - 1178 (3)

*Accent available in Semi-Gloss finish only.

(1), (2) and (3) indicate price groups. (1) being the least expensive.
**WALL LINEAR**
**COLOR WHEEL™ COLLECTION – GLAZED CERAMIC**

**SIZES**

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness</th>
<th>Sq. Ft./Carton</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 24 Wall Tile</td>
<td>3/8” (9.3 mm)</td>
<td>13.30</td>
<td>10</td>
</tr>
<tr>
<td>6 x 18 Wall Tile</td>
<td>3/8” (9.3 mm)</td>
<td>11.25</td>
<td>15</td>
</tr>
<tr>
<td>4 x 16 Wall Tile</td>
<td>3/8” (9.3 mm)</td>
<td>13.20</td>
<td>30</td>
</tr>
<tr>
<td>4 x 12 Wall Tile</td>
<td>5/16” (7.9 mm)</td>
<td>10.64</td>
<td>28</td>
</tr>
<tr>
<td>4 x 8 Wall Tile</td>
<td>5/16” (7.9 mm)</td>
<td>10.63</td>
<td>42</td>
</tr>
<tr>
<td>2 x 8 Wall Tile</td>
<td>5/16” (7.9 mm)</td>
<td>10.40</td>
<td>80</td>
</tr>
</tbody>
</table>

**TRIM**

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Size</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jolly</td>
<td>S-1/212J</td>
<td>1/2 x 11-15/16</td>
<td>12</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-44D9</td>
<td>4 x 16</td>
<td>24</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SN-44D9</td>
<td>4 x 4</td>
<td>20</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-44C9MOD</td>
<td>4-1/4 x 12-7/8</td>
<td>28</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-4489MOD</td>
<td>4-1/4 x 8-9/16</td>
<td>42</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SCRL-4449</td>
<td>4-1/4 x 4-1/4</td>
<td>100</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-4289MOD</td>
<td>2-1/8 x 8-9/16</td>
<td>80</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SN-4289M</td>
<td>2-1/8 x 2-1/8</td>
<td>25</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

<table>
<thead>
<tr>
<th>Target</th>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
<td></td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
<td>≥ 0.42</td>
<td></td>
</tr>
<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60</td>
<td></td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
<td></td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A1371-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

**APPLICATION NOTES:**

Suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

**INSTALLATION**

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 18 &amp; 8 x 24: 1/16” (1/8” when rectangular size is installed in a staggered brick-joint pattern; overlap should not exceed 33%)</td>
<td>Low (VI)</td>
</tr>
<tr>
<td>2 x 8, 4 x 12, &amp; 4 x 16: 1/16” (When rectangular size is installed in a staggered brick joint pattern, overlap should not exceed 33%)</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORMANCE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption</td>
<td>C373</td>
</tr>
<tr>
<td>Breaking Strength</td>
<td>C648</td>
</tr>
<tr>
<td>Scratch Hardness</td>
<td>MOH5</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>C650</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C1027</td>
</tr>
</tbody>
</table>

For additional information on test results, visit us at: daltile.com/information/TestResults.

**NOTES**

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A1371 standards.

For additional information refer to “Factors to Consider” at: daltile.com/Factors.
DECORATIVE
LUCENT SKIES™
GLASS & ALUMINUM MOSAICS

3/8 x 4 MOSAIC

CELESTIAL WINTER LS08
SUNLIT DAWN LS09
NIGHTFALL LUSTER LS10
TWILIGHT GLEAM LS11
CRIMSON DUSK LS12
SIZES

<table>
<thead>
<tr>
<th>Thickness Sq. Ft./ Carton</th>
<th>Pieces/ Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 x 4 Mosaic</td>
<td>11.00</td>
</tr>
<tr>
<td>(Mesh-mounted on 12&quot; x 12&quot; Sheet)</td>
<td>11</td>
</tr>
<tr>
<td>(12-1/8&quot; x 11-7/8&quot; Sheet)</td>
<td>11</td>
</tr>
<tr>
<td>(30.87 cm x 30.16 cm Sheet)</td>
<td>11</td>
</tr>
</tbody>
</table>

INSTALLATION

Grout Joint Recommendation: 1/8" Approximately
Shade Variation: Random (V4)

PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C373</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>C648</td>
<td>&gt; 100 lbs</td>
</tr>
<tr>
<td>MOHS</td>
<td>4.0</td>
</tr>
<tr>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>C1027</td>
<td>N/A</td>
</tr>
</tbody>
</table>

NOTES

For additional information refer to “Factors to Consider” at: daltile.com/Factors.

Random visuals enhance the natural beauty of this product. To achieve optimal results, all tile should be selected from multiple cartons and shading and graphic arrangement planned prior to installation.

Since there are variations in all glass products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.2 standards.

Use of a white latex modified thin-set is recommended for installation.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.
**sky tile**

**product type:** carpet tile  
**collection:** Places  
**style number:** 5T174  
**construction:** multi-level pattern loop  
**fiber:** eco solution q® nylon  
**dye method:** 100% solution dyed  
**primary backing:** synthetic  
**secondary backing:** ecoworx® tile  
**protective treatments:** ssp® shaw soil protection  
**warranty:** lifetime commercial limited  

<table>
<thead>
<tr>
<th>Product Type</th>
<th>U.S.</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sky 5T174</td>
<td>24.0 x 24.0</td>
<td>61.0 x 61.0 cm</td>
</tr>
<tr>
<td>Gauge</td>
<td>1/12 inch</td>
<td>47.2 per 10cm</td>
</tr>
<tr>
<td>Stitches</td>
<td>9 per inch</td>
<td>36 per 10cm</td>
</tr>
<tr>
<td>Finished pile thickness</td>
<td>0.089 inches</td>
<td>2.26 mm</td>
</tr>
<tr>
<td>Average density</td>
<td>6876 per cu.yd</td>
<td>9.61 kilotex</td>
</tr>
<tr>
<td>Kilotex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total thickness</td>
<td>0.224 inches</td>
<td>5.69 mm</td>
</tr>
<tr>
<td>Tufted weight</td>
<td>17.0 oz/yd²</td>
<td>576.4 gms/sqm</td>
</tr>
</tbody>
</table>

**recommended installation method**

- monolithic
- quarter turn
- ashlar
- brick
- random

**coordinating products**

- broadloom: summit, grove
- carpet tile: sea tile, sea edge tile, city central tile, central line tile

**performance + testing**

- Antimicrobial assessment: passes (AATCC-174) (When installed using Shaw 5036 adhesive)
- Pill test: pass
- Radiant panel: class I
- NBS smoke: less than 450
- Electrostatic propensity: less than 3.5 kv
product transparency

Shaw Contract is dedicated to providing clients with a building chemistry that's safe and dependable. Working together, we will help you meet your goals as they pertain to material health. EcoWorx products with Eco Solution Q nylon are Cradle to Cradle Certified™ Silver and assessed for impacts on human health and the environment. This product can be recycled. When it’s time to replace, we can collect and recycle it through our Environmental Guarantee.*

attributes + certifications

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cradle to Cradle Certified™</td>
<td>silver level (version 3.1)</td>
</tr>
<tr>
<td>Health Product Declaration (HPD):</td>
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<td>Environmental Product Declaration (EPD):</td>
<td>3rd party certified in accordance with ISO14044, ISO14025 &amp; EN15804</td>
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<tr>
<td>Living Building Challenge (LBC):</td>
<td>free of red list chemicals</td>
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<tr>
<td>Declare:</td>
<td>LBC compliant</td>
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<tr>
<td>nsf 140:</td>
<td>gold</td>
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<tr>
<td>CRI Green Label Plus (GLP):</td>
<td>USA (GLP9968)</td>
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<tr>
<td>Building Research Establishment (BRE):</td>
<td>certified</td>
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<tr>
<td>Good Environmental Choice Australia (GECA):</td>
<td>039-003</td>
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<tr>
<td>Singapore Green Label:</td>
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<td>ce marking (EN 14041):</td>
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<td>45% (post industrial 45%</td>
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<tr>
<td>product packaging:</td>
<td>China &amp; USA</td>
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<td>country of origin**:</td>
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green lead contribution credit

<table>
<thead>
<tr>
<th>Credit</th>
<th>Certification</th>
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<tr>
<td>MR Credit: Building Product Disclosure and Optimization Environmental Product Declarations - Option 1. Environmental Product Declaration (EPD)</td>
<td>3rd party certified in accordance with ISO14044, ISO14025 &amp; EN15804</td>
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<td>MR Credit: Building Product Disclosure and Optimization Material Ingredients - Option 1: Material Ingredient Reporting</td>
<td>HPD (version 2.1) or C2C silver level (version 3.1)</td>
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<td>MR Credit: Building Product Disclosure and Optimization Material Ingredients - Option 2: Material Ingredient Optimization</td>
<td>C2C silver level (version 3.1)</td>
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<td>MR Credit: Interiors Life-Cycle Impact Reduction Option 3. Design for Flexibility</td>
<td>ecoworx tile w/ lokdots installation system</td>
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</table>

additional information

* To learn more about the recyclability of our products and our Environmental Guarantee, please visit shawcontract.com.

**Meets or exceeds all local and national regulations in country of manufacture.

Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate specification changes without notice. This carpet is an exclusive design and may not be duplicated in any manner. Use of this design in the creation of another carpet design is also strictly prohibited. Visit shawcontract.com/testing for more information.
Fusion Pro® Single Component® Grout

1 Product Name
Fusion Pro® Single Component® Grout

2 Manufacturer
Custom Building Products
Technical Services
10400 Pioneer Boulevard, Unit 3
Santa Fe Springs, CA 90670
Customer Support: 800-272-8786
Technical Services: 800-282-8786
Fax: 800-200-7765
Email: contactus@cbpmail.net
custombuildingproducts.com

3 Product Description
Fusion Pro® the original stain proof, color perfect grout.* This professional grade sanded grout features unsurpassed stain resistance with no sealing required. Its Single Component® formula is ready to use and easy to spread and clean. Fusion Pro can be installed in commercial and residential environments, interiors and exteriors, and on walls and floors and specifically shower floors. Its patented formulation can be applied on all tiles and has built-in Microban antimicrobial product protection. *See warranty for details.

Key Features
• Stain proof and color perfect
• Unsurpassed performance
• Never needs sealing
• Easy to spread and clean
• Ready-to-use

Uses
• Use to fill joint widths 1/16" to 1/2" (1.6-13 mm)
• May be used for both floor and wall installations
• Exterior and interior applications.
• Commercial and residential applications
• Countertops, tub surrounds, shower walls and floors and high traffic areas

Suitable Tile Types
• Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
• Impervious porcelain and glass tile
• Cement-based precast terrazzo
• Polished, natural stone
• Groutable luxury vinyl tile

Composition of Product
Advanced polymers with inorganic fillers and pigments.

Benefits of Product in the Installation
• Stain proof grout
• No sealing required
• Ready to use
• Hard, durable grout joints
• No efflorescence
• Crack resistant
• MicroBan® antimicrobial product protection

Limitations to the Product
• Should not be installed when ambient or surface temperature is lower than 50° F (10° C) or above 90° F (32° C).
• Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
• Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile generally require sealing prior to grouting to prevent possible staining.
• Do not use Fusion Pro with irregularly shaped or spaced tile or stone, such as pebble stones, where joint widths or depths exceed 1/2".
• Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG 100% Solids Epoxy Grout.
• Not for use over concrete slabs with high moisture emission rates.
• Not for use in steam rooms or submerged applications (swimming pools, spas, water features and fountains).
• Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging
• All colors available in 1 gallon pails.
• Select colors available in 1 quart pails.
• Available in 40 standard colors.

Published Date: 4/23/2019
Fusion Pro® Single Component® Grout

4 Technical Data

Approvals

Meets many performance characteristics of A118.7 and A118.3.

Technical Chart

<table>
<thead>
<tr>
<th>Tests</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness at 28 days</td>
<td>ASTM D 2240 (Shore D)</td>
<td>76</td>
</tr>
<tr>
<td>Compressibility (psi grout joint)</td>
<td>CBP Method</td>
<td>3380</td>
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<tr>
<td>Shrinkage</td>
<td>CBP Method</td>
<td>0.013</td>
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<tr>
<td>Stain</td>
<td>CTOA T-72- MODIFIED</td>
<td>0.5-1</td>
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<tr>
<td>Cleanability</td>
<td>as per 118.3</td>
<td>Pass</td>
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<tr>
<td>Chem Resistance</td>
<td>as per 118.3</td>
<td>Pass</td>
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<tr>
<td>Vertical Joint Sag</td>
<td>ASTM C267</td>
<td>Pass</td>
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</tbody>
</table>

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Tiled surface and joints must be clean, and adhesives must be dry. When grouting both vertical and horizontal substrates together, protect horizontal substrate from excess wash water that may fall during the cleaning of grout on walls by covering the floor area prior to grout installation on the walls.

Mixing Procedures

Ready to use – no mixing required. Do not use power mixer - will cause weaker joints.

Application of Product

- Pre-seal natural stones and porous or rough textured tile with Aqua Mix® Grout Release, Aqua Mix® Sealer’s Choice® Gold or TileLab® SurfaceGard®.
- Fusion Pro cures by evaporation. Ensure setting material has dried sufficiently, substrate does not have a high moisture emission rate and work area has adequate ventilation.
- Only spread for 1-4 minutes before cleaning grout off the tile surface. More can be spread in cool, damp conditions; less in hot, dry conditions.
- Do not allow Fusion Pro to dry or skin over prior to final cleaning. If grout dries on surface during installation, lightly moisten and wait 2-4 minutes, then gently clean tile surface using sponge or white nylon scrubber.

Download the Fusion Pro Installation Guide on our website for additional details.

Published Date: 4/23/2019
Fusion Pro® Single Component® Grout

Fusion Pro grout is a stain resistant grout. Sealing is not necessary. If sealing of the tile is necessary, use a water based sealer like AquaMix Sealer's Choice Gold and wipe off excess on grout joints. Do not use solvent-based sealers or enhancers with Fusion Pro.

Cleaning of equipment

Clean tools and hands with water before material dries.

Health Precautions

Contains ethylene glycol, 2-butoxy ethanol and acrylic latex. Avoid contact with eyes and skin. Do not take internally. CAUTION: KEEP OUT OF REACH OF CHILDREN. Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. FIRST AID: If eye or skin contact, flush thoroughly with water. In case of respiratory tract irritation, move person to fresh air. If irritation persists, seek medical attention. If ingested, do not induce vomiting. Seek medical attention. This product contains a chemical or chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

6 Availability & Cost

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Size</th>
<th>Grout Color</th>
<th>Package</th>
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<tbody>
<tr>
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<td>#9 Natural Gray</td>
<td>Pail</td>
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<td>FP101-2T</td>
<td>1 gal (3.78 L)</td>
<td>#10 Antique White</td>
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<td>#11 Snow White</td>
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<td>FP221-2T</td>
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<td>FP451-2T</td>
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<td>#156 Fawn</td>
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<td>#542 Graysone</td>
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<td>FP5441-2T</td>
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<td>#544 Rolling Fog</td>
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<td>FP5451-2T</td>
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<td>#545 Bleached Wood</td>
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<td>#546 Cape Gray</td>
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<td>FP5471-2T</td>
<td>1 gal (3.78 L)</td>
<td>#547 Ice Blue</td>
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<td>FP5481-2T</td>
<td>1 gal (3.78 L)</td>
<td>#548 Surf Green</td>
<td>Pail</td>
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</tbody>
</table>

Select colors are also available in a quart size container.
**The following colors are discontinued as of March 2015:** #92 Admiral Blue, #96 Quarry Red Clay, #99 Burnt Clay, #127 Antique Linen, #168 Slate Gray, #190 Bay Leaf, #301 Arctic Ice, #305 Onyx Green, #311 Moss, #312 Bonsai, #365 Canvas, #384 Camel, #390 Rose Beige

See our color card for truest color representation when selecting or specifying a grout color. Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

7 **Product Warranty**

Obtain the applicable **LIMITED PRODUCT WARRANTY** at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

Also see our Fusion Pro® Stain Proof, Color Perfect warranty here.

When Fusion Pro® Single Component® Grout is used as a part of a qualifying full installation system of CUSTOM products, the installation can qualify for up to a lifetime system warranty. CUSTOM will repair and/or replace, at its discretion, the affected area of the system. For more information, find details and limitations to this warranty at custombuildingproducts.com.

8 **Product Maintenance**

Clean with a neutral cleaner such as Aqua Mix AquaKleen, Aqua Mix Concentrated Stone & Tile Cleaner or Tilelab Grout & Tile Cleaner.

9 **Technical Services Information**

For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

10 **Filing System**

Additional product information is available from the manufacturer upon request.

Also refer to CUSTOM Technical Bulletins:

- TB57: Grout Maintenance
- TB77: Installing Fusion Pro
- TB85: Grout Joint Width Considerations
- TB86: Grout Joints Less than 1/8”

**Handling & Storage**

Protect grout from freezing. If product freezes, return to room temperature and use as directed. Do not stir if partially frozen.

**Related Products**

- Polyblend® Ceramic Tile Caulk
- Commercial 100% Silicone Sealant
- Aqua Mix® Grout Haze Clean-Up
- Aqua Mix® Grout Release
- Fusion Pro® Single Component® Grout Designer Series
- TileLab® Grout & Tile Cleaner
### Coverage

1 gallon pail of Fusion Pro Grout in ft² (m²) per gallon

<table>
<thead>
<tr>
<th>Tile Size</th>
<th>1/16&quot; (1.6 mm)</th>
<th>1/8&quot; (3 mm)</th>
<th>3/16&quot; (4.8 mm)</th>
<th>1/4&quot; (6.3 mm)</th>
<th>3/8&quot; (9.5 mm)</th>
<th>1/2&quot; (13 mm)</th>
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</thead>
<tbody>
<tr>
<td>1&quot; x 1&quot; x 1/4&quot; (2.5 x 2.5 x .64 cm)</td>
<td>55 ft² (5.1 m²)</td>
<td>31 ft² (2.9 m²)</td>
<td>23 ft² (2.1 m²)</td>
<td>19 ft² (1.8 m²)</td>
<td>15 ft² (1.4 m²)</td>
<td>14 ft² (1.3 m²)</td>
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<td>2&quot; x 2&quot; x 1/4&quot; (5 x 5 x .64 cm)</td>
<td>103 ft² (9.6 m²)</td>
<td>55 ft² (5.1 m²)</td>
<td>39 ft² (3.6 m²)</td>
<td>31 ft² (2.9 m²)</td>
<td>23 ft² (2.1 m²)</td>
<td>19 ft² (1.8 m²)</td>
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<td>3&quot; x 3&quot; x 1/4&quot; (7.6 x 7.6 x .64 cm)</td>
<td>152 ft² (14.1 m²)</td>
<td>79 ft² (7.3 m²)</td>
<td>55 ft² (5.1 m²)</td>
<td>43 ft² (4 m²)</td>
<td>31 ft² (2.9 m²)</td>
<td>25 ft² (2.3 m²)</td>
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<td>4.25&quot; x 4.25&quot; x 1/4&quot; (10.8 x 10.8 x .64 cm)</td>
<td>213 ft² (19.8 m²)</td>
<td>110 ft² (10.2 m²)</td>
<td>75 ft² (7.0 m²)</td>
<td>58 ft² (5.4 m²)</td>
<td>41 ft² (3.8 m²)</td>
<td>32 ft² (3.0 m²)</td>
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<tr>
<td>6&quot; x 6&quot; x 1/4&quot; (15.2 x 15.2 x .64 cm)</td>
<td>298 ft² (27.7 m²)</td>
<td>152 ft² (14.1 m²)</td>
<td>103 ft² (9.6 m²)</td>
<td>79 ft² (7.4 m²)</td>
<td>55 ft² (5.1 m²)</td>
<td>43 ft² (4.0 m²)</td>
</tr>
<tr>
<td>8&quot; x 8&quot; x 3/8&quot; (20.3 x 20.3 x 1 cm)</td>
<td>263 ft² (24.4 m²)</td>
<td>134 ft² (12.4 m²)</td>
<td>91 ft² (8.5 m²)</td>
<td>69 ft² (6.4 m²)</td>
<td>47 ft² (4.4 m²)</td>
<td>37 ft² (3.4 m²)</td>
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<tr>
<td>12&quot; x 12&quot; x 3/8&quot; (30.5 x 30.5 x 1 cm)</td>
<td>393 ft² (36.5 m²)</td>
<td>199 ft² (18.5 m²)</td>
<td>134 ft² (12.4 m²)</td>
<td>101 ft² (9.4 m²)</td>
<td>69 ft² (6.4 m²)</td>
<td>53 ft² (4.9 m²)</td>
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<tr>
<td>16&quot; x 16&quot; x 3/8&quot; (40.6 x 40.6 x 1 cm)</td>
<td>523 ft² (48.6 m²)</td>
<td>263 ft² (24.4 m²)</td>
<td>177 ft² (16.4 m²)</td>
<td>134 ft² (12.4 m²)</td>
<td>91 ft² (8.5 m²)</td>
<td>69 ft² (6.4 m²)</td>
</tr>
<tr>
<td>18&quot; x 18&quot; x 3/8&quot; (45.7 x 45.7 x 1 cm)</td>
<td>588 ft² (54.6 m²)</td>
<td>296 ft² (27.5 m²)</td>
<td>199 ft² (18.5 m²)</td>
<td>150 ft² (13.9 m²)</td>
<td>101 ft² (9.4 m²)</td>
<td>77 ft² (7.2 m²)</td>
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<td>20&quot; x 20&quot; x 3/8&quot; (50.8 x 50.8 x 1 cm)</td>
<td>653 ft² (60.7 m²)</td>
<td>328 ft² (30.5 m²)</td>
<td>220 ft² (20.4 m²)</td>
<td>166 ft² (15.4 m²)</td>
<td>112 ft² (10.4 m²)</td>
<td>85 ft² (7.9 m²)</td>
</tr>
<tr>
<td>24&quot; x 24&quot; x 3/8&quot; (61 x 61 x 1 cm)</td>
<td>782 ft² (72.6 m²)</td>
<td>393 ft² (36.5 m²)</td>
<td>263 ft² (24.4 m²)</td>
<td>199 ft² (18.5 m²)</td>
<td>134 ft² (12.4 m²)</td>
<td>101 ft² (9.4 m²)</td>
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<tr>
<td>6&quot; x 24&quot; x 3/8&quot; (15.2 x 61 x 1 cm)</td>
<td>315 ft² (29.3 m²)</td>
<td>160 ft² (14.8 m²)</td>
<td>108 ft² (10 m²)</td>
<td>82 ft² (7.6 m²)</td>
<td>56 ft² (5.2 m²)</td>
<td>43 ft² (4.0 m²)</td>
</tr>
<tr>
<td>12&quot; x 24&quot; x 3/8&quot; (30.5 x 61 x 1 cm)</td>
<td>523 ft² (48.6 m²)</td>
<td>263 ft² (24.5 m²)</td>
<td>177 ft² (16.4 m²)</td>
<td>134 ft² (12.4 m²)</td>
<td>91 ft² (8.4 m²)</td>
<td>69 ft² (6.4 m²)</td>
</tr>
<tr>
<td>6&quot; x 36&quot; x 3/8&quot; (15.2 x 91.4 x 1 cm)</td>
<td>338 ft² (31.4 m²)</td>
<td>171 ft² (15.9 m²)</td>
<td>115 ft² (10.7 m²)</td>
<td>87 ft² (8.1 m²)</td>
<td>60 ft² (5.6 m²)</td>
<td>46 ft² (4.3 m²)</td>
</tr>
<tr>
<td>9 x 36&quot; x 3/8&quot; (22.9 x 91.4 x 1 cm)</td>
<td>471 ft² (43.8 m²)</td>
<td>238 ft² (22.1 m²)</td>
<td>160 ft² (14.9 m²)</td>
<td>121 ft² (11.2 m²)</td>
<td>82 ft² (7.6 m²)</td>
<td>62 ft² (5.8 m²)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tile Size</th>
<th>3/4&quot; (19.1 m²)</th>
<th>Width x Length x Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 36&quot; x 3/8&quot; (20.3 x 91.4 x 1 cm)</td>
<td>471 ft² (43.8 m²)</td>
<td>238 ft² (22.1 m²)</td>
</tr>
<tr>
<td>12 x 48&quot; x 3/8&quot; (30.5 x 122 x 1 cm)</td>
<td>627 ft² (58.2 m²)</td>
<td>315 ft² (29.3 m²)</td>
</tr>
</tbody>
</table>

1 quart pail of Fusion Pro Grout in ft³ (m³) per quart

Published Date: 4/23/2019
<table>
<thead>
<tr>
<th>Tile Size</th>
<th>Joint Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width x Length x Thickness</td>
<td>1/16” (1.6 mm)</td>
</tr>
<tr>
<td>1” x 1” x 1/4” (2.5 x 2.5 x .64 cm)</td>
<td>14 ft² (1.3 m²)</td>
</tr>
<tr>
<td>2” x 2” x 1/4” (5 x 5 x .64 cm)</td>
<td>26 ft² (2.4 m²)</td>
</tr>
<tr>
<td>3” x 3” x 1/4” (7.6 x 7.6 x .64 cm)</td>
<td>38 ft² (3.5 m²)</td>
</tr>
<tr>
<td>4.25” x 4.25” x 1/4” (10.8 x 10.8 x .64 cm)</td>
<td>53 ft² (4.9 m²)</td>
</tr>
<tr>
<td>6” x 6” x 1/4” (15.2 x 15.2 x .64 cm)</td>
<td>74 ft² (6.9 m²)</td>
</tr>
<tr>
<td>8” x 8” x 3/8” (20.3 x 20.3 x 1 cm)</td>
<td>66 ft² (6.1 m²)</td>
</tr>
<tr>
<td>12” x 12” x 3/8” (30.5 x 30.5 x 1 cm)</td>
<td>98 ft² (9.1 m²)</td>
</tr>
<tr>
<td>16” x 16” x 3/8” (40.6 x 40.6 x 1 cm)</td>
<td>131 ft² (12.1 m²)</td>
</tr>
<tr>
<td>18” x 18” x 3/8” (45.7 x 45.7 x 1 cm)</td>
<td>147 ft² (13.7 m²)</td>
</tr>
<tr>
<td>20” x 20” x 3/8” (50.8 x 50.8 x 1 cm)</td>
<td>163 ft² (15 m²)</td>
</tr>
<tr>
<td>24” x 24” x 3/8” (61 x 61 x 1 cm)</td>
<td>196 ft² (18 m²)</td>
</tr>
<tr>
<td>6” x 24” x 3/8” (15.2 x 61 x 1 cm)</td>
<td>79 ft² (7.3 m²)</td>
</tr>
<tr>
<td>12” x 24” x 3/8” (30.5 x 61 x 1 cm)</td>
<td>131 ft² (12.1 m²)</td>
</tr>
<tr>
<td>6” x 36” x 3/8” (15.2 x 91.4 x 1 cm)</td>
<td>85 ft² (7.9 m²)</td>
</tr>
<tr>
<td>9 x 36” x 3/8” (22.9 x 91.4 x 1 cm)</td>
<td>118 ft² (10.9 m²)</td>
</tr>
<tr>
<td>12” x 48” x 3/8” (30.5 x 122 x 1 cm)</td>
<td>157 ft² (14.6 m²)</td>
</tr>
</tbody>
</table>

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the Material Calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.
ONE QUARTZ SURFACES®

GEO FLECKS SERIES | MICRO FLECKS SERIES | NATURE SERIES | WEST VILLAGE SERIES

FLOOR | WALL | COUNTERTOPS
With the ONE Quartz Surfaces® assortment, we’ve brought together the beauty of quartz and modern technology to create new and exciting possibilities. Available in both slab and tile*, ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that’s what ONE Quartz Surfaces® is all about.

AVAILABLE IN:
Within these unique series, you’ll have more selection than ever before.

- Geo Flecks Series
- Micro Flecks Series
- Nature Series
- West Village Series
- ONE Quartz Basics

RESISTANCE

<table>
<thead>
<tr>
<th>PRICE</th>
<th>STYLE</th>
<th>CHIPS</th>
<th>HEAT</th>
<th>STAIN</th>
<th>SCRATCHES</th>
<th>SEALING REQUIRED</th>
<th>MAINTENANCE</th>
<th>PROS</th>
<th>CONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ONE QUARTZ SURFACES®</td>
<td>$$$</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>NO</td>
<td>NO</td>
<td>Highly stain resistant</td>
<td>Not as heat-resistant as natural stone</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excellent for undermount sinks</td>
<td>Can be discolored by direct sunlight</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Engineered, so has consistent look</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tons of colors to choose from</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Available via special order in limited colors only.
ODE TO GEO. Infuse your space with the raw beauty of the Geo Flecks Series. Select from a neutral palette of colors speckled with flecks of character to create a room as calm or quirky as you wish. Perfectly versatile for any design.

Photo features ONE Quartz Surfaces® Geo Flecks Series Chipped Ice on the counter.
GEO FLECKS SERIES

* CHIPPED ICE NQ91

PACIFIC SAND NQ22

RIVERBANK NQ93

* ONE Quartz Basics
product information

finishes thickness
polished (stocked) 1-1/4" (3 cm) & 3/4" (2 cm)
semi-polished (special order)
honed (special order)
leather (special order)

Custom slab finishes in semi-polished, honed and leather are available by special order.
Not all colors available in alternative finishes. Please contact your local slab center for availability.
Thinner slabs available upon request.
Please contact your local slab center to confirm sizes and availability.
Standard tile sizes available by special order only where applicable.

installation
grout joint recommendation shade variation
Tile: 1/16’ low (V1)

notes
one quartz surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.
one quartz surfaces products are virtually maintenance free.
one quartz surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.
one quartz surfaces products have a durable, scratch-resistant surface.
one quartz surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).
visit daltile.com/onequartz for additional polished, semi-polished, honed and leather finish details.
fifteen-year limited warranty. Visit daltile.com/onequartz for details.
white thin-set or mortar is recommended for the lighter colors of one quartz surfaces tiles.
for information refer to "factors to consider" at daltile.com/factors.

applications

<table>
<thead>
<tr>
<th>target</th>
<th>target dcof wet</th>
<th>suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>dry &amp; level – interior floor</td>
<td>n/a</td>
<td>✓</td>
</tr>
<tr>
<td>wet &amp; level – interior floor</td>
<td>≥ 0.42</td>
<td></td>
</tr>
<tr>
<td>shower floors (residential or light commercial)</td>
<td>≥ 0.42</td>
<td></td>
</tr>
<tr>
<td>exterior floor applications (including pool decking &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60</td>
<td></td>
</tr>
<tr>
<td>ramps &amp; inclines</td>
<td>≥ 0.65</td>
<td>✓</td>
</tr>
<tr>
<td>walls/backsplashes</td>
<td>n/a</td>
<td>✓</td>
</tr>
<tr>
<td>countertops</td>
<td>n/a</td>
<td>✓</td>
</tr>
<tr>
<td>pool linings</td>
<td>n/a</td>
<td></td>
</tr>
</tbody>
</table>

one quartz surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

application notes:
geo flecks series not suitable for exterior applications due to small resin content. The sun will etch the material.
* nq91 not recommended for flooring use.

slab performance characteristics

<table>
<thead>
<tr>
<th>astm#</th>
<th>result</th>
</tr>
</thead>
<tbody>
<tr>
<td>breaking strength</td>
<td>c648 1,207 lbs</td>
</tr>
<tr>
<td>compressive strength (min)</td>
<td>c170 22,082 psi</td>
</tr>
<tr>
<td>abrasion resistance</td>
<td>c241 60+</td>
</tr>
<tr>
<td>abrasion wear index</td>
<td>c501 120</td>
</tr>
<tr>
<td>thermal expansion</td>
<td>c531 1.2 x 10^-5</td>
</tr>
<tr>
<td>water absorption</td>
<td>c97 .03 - .01%</td>
</tr>
<tr>
<td>flexural strength</td>
<td>c880 4,744 psi</td>
</tr>
<tr>
<td>ultraviolet light resistance</td>
<td>g23 passes</td>
</tr>
<tr>
<td>stain &amp; chemical resistance (24-hour immersion)</td>
<td>no effect</td>
</tr>
</tbody>
</table>

tile performance characteristics

<table>
<thead>
<tr>
<th>astm#</th>
<th>result</th>
</tr>
</thead>
<tbody>
<tr>
<td>water absorption</td>
<td>c97 .03 - .01%</td>
</tr>
<tr>
<td>compressive strength (min)</td>
<td>c170 22,082 psi</td>
</tr>
<tr>
<td>flexural strength</td>
<td>22,082 psi 4,744 psi</td>
</tr>
<tr>
<td>chemical resistance</td>
<td>c650 resistant</td>
</tr>
<tr>
<td>abrasion resistance</td>
<td>c1027 3</td>
</tr>
</tbody>
</table>

usage

<table>
<thead>
<tr>
<th>floors</th>
<th>walls</th>
<th>countertops</th>
</tr>
</thead>
<tbody>
<tr>
<td>f</td>
<td>w</td>
<td>c</td>
</tr>
</tbody>
</table>

floor inventory not stocked, available on custom order basis only.

15 year warranty

fifteen year limited warranty, visit daltile.com for complete warranty details.

usage

floors walls countertops
f w c
MICRO DETAIL. MEGA IMPACT. Marvel in the Micro Flecks Series with stunning visuals in a spectrum of colors suitable for any design or décor. From the purest white to the blackest black; bold patterns to clean and contemporary, the opportunities are endless. Let your imagination run wild.
MICRO FLECKS SERIES

MORNING FROST NQ30

* WHITE ICE NQ90

WOVEN WOOL NQ09

* SIMPLY WHITE NQ76

FRESH LINENS NQ66

EVENING GREY NQ43

* MESA DUNE NQ89

* NEWPORT SAND NQ88

CONCRETE GREY NQ87

BRUSHED FLANNEL NQ60

METEOR SHOWER NQ25

STAR GAZER NQ10

* ONE Quartz Basics
Photo features ONE Quartz Surfaces® Micro Flecks Series Simply White on the counter.
FLOOR | WALL | COUNTERTOPS

ONE QUARTZ SURFACES®
MICRO FLECKS SERIES

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polished (Stocked)</td>
<td>1-1/4&quot; (3 cm)</td>
</tr>
<tr>
<td>Semi-polished (Special Order)</td>
<td>3/4&quot; (2 cm)</td>
</tr>
<tr>
<td>Honed (Special Order)</td>
<td></td>
</tr>
<tr>
<td>Leather (Special Order)</td>
<td></td>
</tr>
</tbody>
</table>

Custom slab finishes in semi-polished, honed and leather are available by special order. Not all colors available in alternative finishes. Please contact your local slab center for availability.

APPLICATION NOTES:
Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

Micro Flecks Series not suitable for exterior applications due to small resin content. The sun will etch the material.

* NQ09, NQ30, NQ66, NQ76 and NQ90 are not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C648</td>
<td>1,207 lbs</td>
</tr>
<tr>
<td>C170</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>C241</td>
<td>60+</td>
</tr>
<tr>
<td>C501</td>
<td>120</td>
</tr>
<tr>
<td>C531</td>
<td>1.2 x 10^-5</td>
</tr>
<tr>
<td>C97</td>
<td>0.3 - 0.1%</td>
</tr>
<tr>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>C23</td>
<td>Passes</td>
</tr>
</tbody>
</table>

TILE PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C97</td>
<td>0.3 - 0.1%</td>
</tr>
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<td>C170</td>
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</tr>
<tr>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>C1027</td>
<td>3</td>
</tr>
</tbody>
</table>

FLOOR INVENTORY NOT STOCKED, AVAILABLE ON CUSTOM ORDER BASIS ONLY.
NATURE SERIES

AT ONE WITH NATURE. Let the Nature Series transport you outdoors with stunning visuals in an array of earth inspired colors. Dazzle in design with striking vein patterns, traditionally found in the rarest of marble, to subdued solids for a more sophisticated space. Discover a whole new meaning of mother nature.
NATURE SERIES

NEW! CARRARA AURA OQ09
NEW! STATUARY STRATUS OQ10
NEW! CALACATTA LYRA OQ11
NEW! CARRARA VEIL OQ12

NEW! CALACATTA HALO OQ13
LUMINESCE NQ75
WHITE SAND NQ97
CARRARA GIOIA NQ63

MAR BLANC NQ32
CALACATTA NQ06
WHITE STATUARY NQ12
SNOW LEOPARD NQ96

CINDER STORM NQ28
DIAMOND CHIP NQ54
ALMONDINE NQ36
MARBELESQUE NQ74

CIRRUS SMOKE NQ50
CAMEO PEARL NQ08
ASH GREY NQ69*
GREY NIMBUS NQ57

MOLten GREY NQ95
HONEYED MAHOGANY NQ94
JASMINE WHITE OQ27

*Material also stocked in Honed finish
Photo features ONE Quartz Surfaces® Nature Series Calacatta Lyra on the counter.
### Product Information

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polished (Stocked)</td>
<td>1-1/4&quot; (3 cm) &amp; 3/4&quot; (2 cm)</td>
</tr>
<tr>
<td>Semi-polished (Special Order)</td>
<td></td>
</tr>
<tr>
<td>Honed (Special Order)*</td>
<td></td>
</tr>
<tr>
<td>Leather (Special Order)</td>
<td></td>
</tr>
</tbody>
</table>

* Ash Grey Honed is stocked.

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

Thinner slabs available upon request. Please contact your local slab center to confirm sizes and availability.

Standard tile sizes available by special order only where applicable.

### Installation

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile: 1/16&quot;</td>
<td>Low (V1)</td>
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</tbody>
</table>

### Notes

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ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.

Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

For information refer to "Factors to Consider" at daltile.com/Factors.

---

**Floor Inventory Not Stocked, Available on Custom Order Basis Only.**

### Applications

<table>
<thead>
<tr>
<th></th>
<th>Target DCOF Wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
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<td>✓</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
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<td></td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
<td>≥ 0.42</td>
<td></td>
</tr>
<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60</td>
<td></td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
<td></td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
<td>✓</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

**Application Notes:**

Nature Series not suitable for exterior applications due to small resin content. The sun will etch the material.

* NQ06, NQ08, OQ09, OQ10, OQ11, OQ12, OQ15, NQ28, NQ32, NQ36, NQ50, NQ63, NQ75, NQ96, and NQ97 are not recommended for flooring use.

### Slab Performance Characteristics

<table>
<thead>
<tr>
<th></th>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1,207 lbs</td>
</tr>
<tr>
<td>Compressive Strength (min)</td>
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<td>22,082 psi</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C241</td>
<td>60+</td>
</tr>
<tr>
<td>Abrasion Wear Index</td>
<td>C501</td>
<td>120</td>
</tr>
<tr>
<td>Thermal Expansion</td>
<td>C531</td>
<td>1.2 x 10-5</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>C97</td>
<td>0.03 - 0.1%</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>C880</td>
<td>4,744 psi</td>
</tr>
<tr>
<td>Ultraviolet Light Resistance</td>
<td>C23</td>
<td>Passes</td>
</tr>
<tr>
<td>Stain &amp; Chemical Resistance (24-hour immersion)</td>
<td>No effect</td>
<td></td>
</tr>
</tbody>
</table>

### Tile Performance Characteristics

<table>
<thead>
<tr>
<th></th>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
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<td>C97</td>
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</tr>
<tr>
<td>Chemical Resistance</td>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C1027</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Usage**

<table>
<thead>
<tr>
<th>Floors</th>
<th>Walls</th>
<th>Countertops</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>W</td>
<td>C</td>
</tr>
</tbody>
</table>
WEST VILLAGE SERIES

WELCOME TO THE CITY. Like the Big Apple, it combines the toughness of the Bronx, with the beauty of Central Park. It’s modern, earthy, and ready for anything the population can dish out. This is no urban legend. It’s the new One Quartz West Village Series from Daltile. Earth tones featuring organic natural looks, bustling with city style and sophistication. Perfect for transforming countertops, fireplaces, bathrooms, or even lobbies. Ready to take your ideas to penthouse heights? Then you’re ready for the West Village Series.
WEST VILLAGE SERIES

NEW! AVENUE WHITE OQ01

NEW! BARCLAY TAN OQ04

NEW! ASTOR GREY OQ02

NEW! BROADWAY BLACK OQ03

NEW! EMPIRE GREY OQ05

LINCOLN WHITE NQ59

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

* Material also stocked in Polished finish
Photo features ONE Quartz Surfaces® West Village Series Broadway Black on the counter and wall.
PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leather (Stocked)</td>
<td>1-1/4” (3 cm) &amp; 3/4” (2 cm)</td>
</tr>
<tr>
<td>Polished (Special Order)*</td>
<td></td>
</tr>
</tbody>
</table>

* Avenue White & Broadway Black polished is stocked

Custom slab finishes in semi-polished, honed and leather are available by special order
Not all colors available in alternative finishes. Please contact your local slab center for availability.
Thinner slabs available upon request. Please contact your local slab center to confirm sizes and availability.
Standard tile sizes available by special order only where applicable.

INSTALLATION

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile : 1/16”</td>
<td>Low (V1)</td>
</tr>
</tbody>
</table>

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/ONEQuartz for additional polished, semi-polished, honed and leather finish details.

Fifteen-year limited warranty. Visit daltile.com/ONEQuartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

For information refer to “Factors to Consider” at daltile.com/Factors.

APPLICATIONS

Target DCOF wet | Suitable
---|---
Dry & Level – Interior Floor | N/A | ✓*
Wet & Level – Interior Floor | ≥ 0.42 | ✓
Shower Floors (Residential or Light Commercial) | ≥ 0.42 | ✓
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear) | ≥ 0.60 | ✓
Ramps & Inclines | ≥ 0.65 | ✓
Walls/Backsplashes | N/A | ✓
Countertops | N/A | ✓
Pool Linings | N/A | ✓

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

West Village Series not suitable for exterior applications due to small resin content. The sun will etch the material.

* OQ01 and NQ59 not recommended for flooring use.

SLAB PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breaking Strength</td>
<td>C648</td>
</tr>
<tr>
<td>Compressive Strength (min)</td>
<td>C170</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C241</td>
</tr>
<tr>
<td>Abrasion Wear Index</td>
<td>C501</td>
</tr>
<tr>
<td>Thermal Expansion</td>
<td>C531</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>C97</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>C880</td>
</tr>
<tr>
<td>Ultraviolet Light Resistance</td>
<td>C23</td>
</tr>
<tr>
<td>Stain &amp; Chemical Resistance (24-hour immersion)</td>
<td>No effect</td>
</tr>
</tbody>
</table>

TILE PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption</td>
<td>C97</td>
</tr>
<tr>
<td>Compressive Strength (min)</td>
<td>C170</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>22,082 psi</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>C650</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>C1027</td>
</tr>
</tbody>
</table>

USAGE

<table>
<thead>
<tr>
<th>Floors</th>
<th>Walls</th>
<th>Countertops</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>W</td>
<td>C</td>
</tr>
</tbody>
</table>
SIZES

<table>
<thead>
<tr>
<th>Size</th>
<th>Thickness Sq. Ft./Carton</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 24 Wall Tile</td>
<td>3/8&quot; (9.3 mm)</td>
<td>11.30 10</td>
</tr>
<tr>
<td>6 x 18 Wall Tile</td>
<td>3/8&quot; (9.3 mm)</td>
<td>11.25 15</td>
</tr>
<tr>
<td>4 x 16 Wall Tile</td>
<td>3/8&quot; (9.3 mm)</td>
<td>13.20 30</td>
</tr>
<tr>
<td>4 x 12 Wall Tile</td>
<td>5/16&quot; (7.9 mm)</td>
<td>10.64 28</td>
</tr>
<tr>
<td>4 x 8 Wall Tile</td>
<td>5/16&quot; (7.9 mm)</td>
<td>10.63 42</td>
</tr>
<tr>
<td>2 x 8 Wall Tile</td>
<td>5/16&quot; (7.9 mm)</td>
<td>10.40 80</td>
</tr>
</tbody>
</table>

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Exterior Floors (Residential or Light Commercial)</td>
<td>≥ 0.60</td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
</tr>
</tbody>
</table>

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:
Suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

TRIM

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Size</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jolly</td>
<td>S-1/212J</td>
<td>1/2 x 11-15/16</td>
<td>12</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-44D9</td>
<td>4 x 16</td>
<td>24</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SN-44D9</td>
<td>4 x 4</td>
<td>20</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-44C9MOD</td>
<td>4-1/4 x 12-7/8</td>
<td>28</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-44B9MOD</td>
<td>4-1/4 x 8-9/16</td>
<td>42</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SCRL-4449</td>
<td>4-1/4 x 4-1/4</td>
<td>100</td>
</tr>
<tr>
<td>Wall Bullnose</td>
<td>S-42B9MOD</td>
<td>2-1/8 x 8-9/16</td>
<td>80</td>
</tr>
<tr>
<td>Wall Bullnose Corner</td>
<td>SN-42B9M</td>
<td>2-1/8 x 2-1/8</td>
<td>25</td>
</tr>
<tr>
<td>Flat Top Cove Base</td>
<td>A34C1MOD</td>
<td>4-1/4 x 12-7/8</td>
<td>40</td>
</tr>
</tbody>
</table>

INSTALLATION

Grout Joint Recommendation: Shade Variation

6 x 18 & 8 x 24: 1/16" (1/8" when rectangular size is installed in a staggered brick-joint pattern; overlap should not exceed 33%.)

2 x 8, 4 x 12, & 4 x 16: 1/16" (When rectangular size is installed in a staggered brick joint pattern, overlap should not exceed 33%.)

APPLICATION NOTES:
Suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>C373</td>
<td>&lt; 20.0%</td>
</tr>
<tr>
<td>C648</td>
<td>120-230 lbs</td>
</tr>
<tr>
<td>MOH5</td>
<td>4.0-6.0</td>
</tr>
<tr>
<td>C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>C1027</td>
<td>N/A</td>
</tr>
</tbody>
</table>

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

For additional information refer to “Factors to Consider” at daltile.com/Factors.
3/8 x 4 MOSAIC

CELESTIAL WINTER LS08
SUNLIT DAWN LS09
NIGHTFALL LUSTER LS10
TWILIGHT GLEAM LS11
CRIMSON DUSK LS12
SIZES

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Sq. Ft./Carton</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 x 4 Mosaic (Mesh-mounted on 12&quot; x 12&quot; Sheet)</td>
<td>(12-1/8&quot; x 11-7/8&quot; Sheet) (30.87 cm x 30.16 cm Sheet)</td>
<td>5/16&quot; 11.00 11</td>
</tr>
</tbody>
</table>

INSTALLATION

<table>
<thead>
<tr>
<th>Grout Joint Recommendation</th>
<th>Shade Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; Approximately</td>
<td>Random (V4)</td>
</tr>
</tbody>
</table>

PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>ASTM#</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption C373</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>Breaking Strength C648</td>
<td>&gt; 100 lbs</td>
</tr>
<tr>
<td>Scratch Hardness MOHS</td>
<td>4.0</td>
</tr>
<tr>
<td>Chemical Resistance C650</td>
<td>Resistant</td>
</tr>
<tr>
<td>Abrasion Resistance CI027</td>
<td>N/A</td>
</tr>
</tbody>
</table>

NOTES

For additional information refer to “Factors to Consider” at: daltile.com/Factors.

Random visuals enhance the natural beauty of this product. To achieve optimal results, all tile should be selected from multiple cartons and shading and graphic arrangement planned prior to installation.

Since there are variations in all glass products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.2 standards.

Use of a white latex modified thin-set is recommended for installation.

APPLICATIONS

<table>
<thead>
<tr>
<th>Target DCOF wet</th>
<th>Suitable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry &amp; Level – Interior Floor</td>
<td>N/A</td>
</tr>
<tr>
<td>Wet &amp; Level – Interior Floor</td>
<td>≥ 0.42</td>
</tr>
<tr>
<td>Shower Floors (Residential or Light Commercial)</td>
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</tr>
<tr>
<td>Exterior Floor Applications (including pool decking &amp; other wet areas with minimal footwear)</td>
<td>≥ 0.60</td>
</tr>
<tr>
<td>Ramps &amp; Inclines</td>
<td>≥ 0.65</td>
</tr>
<tr>
<td>Walls/Backsplashes</td>
<td>N/A ✔</td>
</tr>
<tr>
<td>Countertops</td>
<td>N/A</td>
</tr>
<tr>
<td>Pool Linings</td>
<td>N/A</td>
</tr>
</tbody>
</table>

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6.

For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

For additional information on test results, visit us at: daltile.com/information/TestResults.
MONTERREY™
SINGLE CONTROL KITCHEN FAUCET
BRASS GOOSENECK SPOUT WITH 8" REACH

MODEL NUMBER:
- **6114.381** Single Control Faucet with Remote Valve
  - Field-convertible rigid / swivel gooseneck spout with 8" reach. Metal lever handle with red/blue index.
  - 1.5 gpm pressure compensating aerator.
  - With color matched spray.

- **6114.380** Single Control Faucet with Remote Valve
  - Field-convertible rigid / swivel gooseneck spout with 8" reach. Metal lever handle with red/blue index.
  - 1.5 gpm pressure compensating aerator. Less spray.

GENERAL DESCRIPTION:
Durable cast brass construction. Field-convertible rigid-swivel gooseneck spout with 8" reach. Ceramic disc valve cartridge with integral hot limit safety stop. 20" long S.S. flex inlet hoses with 3/8" compression fittings. Metal lever handle with red/blue index. 1.5 gpm/5.7L/min. maximum flow.

PRODUCT FEATURES:
- **Pressure Compensating Aerator:** Provides a constant water flow of 1.5 gpm throughout the pressure range.
- **Solid Brass Construction:** Durable. Excellent in high use applications. Ideal for prolonged contact with water.
- **Ceramic Disc Valve Cartridge:** Assures a lifetime of drip-free performance.
- **Adjustable Hot Limit Safety Stop:** Limits the amount of hot water allowed to mix with cold. Reduces the risk of accidental scalding.
- **Field-Convertible Rigid / Swivel Gooseneck Spout**
- **Lead Free:** Faucet contains ≤ 0.25% total lead content by weighted average.

SUGGESTED SPECIFICATION:
Single control kitchen fitting shall feature a brass body with metal handle and brass field convertible rigid / swivel gooseneck spout with 8" reach. Shall also feature washerless ceramic disc valve cartridge with integral hot limit safety stop. Fitting shall be American Standard Model #6114.38_.002.

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L131  Revised 8/13
MONTERREY™
SINGLE CONTROL KITCHEN FAUCET
BRASS GOOSENECK SPOUT WITH 8" REACH

CODES AND STANDARDS
These products meet or exceed the following codes and standards:

ASME A112.18.1
CSA B 125
NSF 61/Section 9, Annex G
CALGreen

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>6114.381</td>
<td>Single Control Faucet with Remote Valve. Field-convertible rigid / swivel spout with 8&quot; reach. 1.5 gpm pressure compensating aerator. With color matched spray.</td>
<td>Polished Chrome</td>
</tr>
</tbody>
</table>

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

Other Aerators Available:

<table>
<thead>
<tr>
<th>Part Suffix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LV15</td>
<td>1.5 gpm (5.7 Lpm) Vandal-Resistant PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>L15</td>
<td>1.5 gpm (5.7 Lpm) PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>V15</td>
<td>1.5 gpm (5.7 Lpm) Vandal-Resistant PCA Aerator</td>
</tr>
<tr>
<td>LV10</td>
<td>1.0 gpm (3.8 Lpm) Vandal-Resistant PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>L10</td>
<td>1.0 gpm (3.8 Lpm) PCA Non-Aerated Laminar Flow Outlet</td>
</tr>
<tr>
<td>V10</td>
<td>1.0 gpm (3.8 Lpm) Vandal-Resistant PCA Aerator</td>
</tr>
<tr>
<td>V05</td>
<td>0.5 gpm (1.9 Lpm) Vandal-Resistant PCA Non-Aerated Spray</td>
</tr>
<tr>
<td>V035</td>
<td>0.35 gpm (1.3 Lpm) Vandal-Resistant PCA Non-Aerated Spray</td>
</tr>
</tbody>
</table>

*PCA - Pressure Compensating
All modifications meet CALGreen Code

FLOW RATE*

INLET PRESSURE (PSI)

GALLONS PER MINUTE

*Flow rates shown are for mixed hot and cold.
COLONY® 15 x 15 ADA SINGLE BOWL
STAINLESS STEEL KITCHEN SINK

20 GAUGE STAINLESS STEEL

COLONY® 15 x 15 ADA SINGLE BOWL
STAINLESS STEEL KITCHEN SINK

22SB.6151511S.075
- Colony ADA Single Bowl Sink
- 1 hole on center
- 6" deep bowl
- 20 Gauge Stainless Steel
- Top Mount Installation
- Bottom Sound Deadening Pads with undercoating
- Waste fitting included
- Cutout template, installation instructions and top mount hardware included
- 18" (457mm) cabinet required
- Limited Lifetime Warranty

Nominal Dimensions:
15" x 15" x 6"
(381 x 381 x 152mm)

Bowl Size:
12-1/4" (311mm) wide
10-1/4" (260mm) front to back
6" (152mm) deep

SEE REVERSE FOR ROUGHING-IN DIMENSIONS AND PRODUCT SPECIFICATIONS

Compliance Certifications - Meets or Exceeds the Following Specifications:

• SINK:
  ASME A112.19.3

To Be Specified:
- Color: Stainless Steel .075

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.
**NOTES:**

* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIED AND "P" TRAP ARE SUGGESTED.
FITTINGS NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.
SEALING COMPOUND SUPPLIED BY OTHERS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.3.
These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.
This Section specifies “Wilsonart® Thermally Fused Laminate (TFL) Panels produced by Wilsonart. TFL Panels are a key component of the Wilsonart Coordinated Surfaces program. When combined with Wilsonart’s vast array of high performance laminate offerings and edgebanding options, TFL panels complete a suite of products unmatched in the industry for coordinated color, pattern, and finish selections, and will satisfy virtually any residential or commercial need. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.

Wilsonart® TFL Panels are well suited for retail, hospitality, healthcare, educational, and contract furniture applications. Panel laminate surfaces provide good wear and resistance to stains and scratches. Additionally, urea-formaldehyde-free and moisture-resistant panel core options are available.

Wilsonart TFL Panels contribute to LEED-NC and LEED-CI points in several categories.

Section Editing: Informational notes will appear as “Editing Note” text boxes throughout this Section. Bracketed bold text will require a selection to be made or information to be inserted.

PART 1 - GENERAL

1.01 SECTION INCLUDES

EDITING NOTE: Revise listing to suit Project requirements.

A. Thermally Fused Laminate (TFL) Panels.
B. Edgebanding.

1.02 RELATED REQUIREMENTS

EDITING NOTE: Section listings below are common references and based on the broadly accepted CSI MasterFormat® for Section numbers and titles. Revise to suit requirements for particular project.

A. Section 01 3000 - Submittals.
B. Section 06 0620 - Decorative Plastic Laminate.
C. Section 06 0630 - Decorative Plastic Laminate Resurfacing.
D. Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.
E. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
F. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
G. Section 12 3530.13 - Kitchen Casework.
1.03 REFERENCES

**EDITING NOTE:** Revise Reference Standards to suit Project requirements.

A. Reference Standards:

1. ANSI A208.1: Particleboard.
2. ANSI A208.2: Medium Density Fiberboard (MDF) For Interior Applications.
3. ATCM: Airborne Toxic Control Measure.
5. AWS: Architectural Woodwork Standards.
6. CARB: California Air Resources Board.
10. NEMA LD-3: High Pressure Decorative Laminates.

1.04 SUBMITTALS

A. Submit under provisions of Section 01 3000 - Submittals.

B. Product Data: Submit the following:

1. Product data for each specified product. Include manufacturer’s technical data sheets and published instructions.
2. Safety Data Sheets (SDS).

C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.

D. Samples: Selection and verification samples for each color, pattern, and finish required.

E. Quality Assurance Submittals:

1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.

F. Maintenance Data: Manufacturer’s published maintenance manual with closeout submittals.

1.05 REGULATORY REQUIREMENTS

A. Composite Wood Products:

1. CARB ATCM for Composite Wood Products.
1.06 QUALITY ASSURANCE

A. Qualifications:

EDITING NOTE: Retaining the Composite Panel Association (CPA) option provides additional quality assurance measures for panel core materials, including sustainable design related certification programs with independent third party testing offered through the CPA to its members.

1. Manufacturer Qualifications: TFL Panels produced by a manufacturer with documented quality management and environmental management practices and procedures in place to ensure compliance with specified requirements. Panel core material producers are current members in good standing with the Composite Panel Association.

2. Fabricator Qualifications: Minimum of three years documented experience in fabricating thermally fused laminate panels similar in scope and complexity to this Project.

3. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project.

EDITING NOTE: Following two LEED paragraphs list potential credits according to LEED 2009 for New Construction & Major Renovations (LEED-NC) and LEED 2009 for Commercial Interiors (LEED-CI). Coordinate with designated Project LEED AP for credits applicable to Project.

B. LEED 2009 rating system potential credits:

1. [LEED-NC] [LEED-CI] MR Credit 4 - Recycled Content.
2. [LEED-NC] [LEED-CI] MR Credit 5 - Regional Materials.
3. [LEED-NC] [LEED-CI] MR Credit 6 - Rapidly Renewable Content.
4. [LEED-NC] [LEED-CI] MR Credit 7 - Certified Wood.
5. [LEED-NC] [LEED-CI] IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
6. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

C. Mock-Up:

EDITING NOTE: Select mock-up size option. Delete entire paragraph if mock-up is not a Project requirement.

1. Install at Project site using acceptable products and manufacturer approved installation methods. Obtain Architect’s acceptance for color, pattern, finish, fabrication, and installation standards.

2. Mock-Up Size: [ ] by [ ].


4. Mock-Up Location: [Indicated on Drawings] [As directed by Architect].

5. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.

6. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.
1.07 DELIVERY, STORAGE, AND HANDLING

A. Storage and Protection: Store plastic laminate and panel core materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturers. Store sheet materials flat on pallets or similar rack-type storage to avoid damage. Moisture content of panel core materials not to exceed 6 percent to 8 percent.

1.08 PROJECT CONDITIONS

A. Environmental Requirements: Ensure appropriate acclimatization of TFL Panels prior to fabrication. Condition TFL Panels in the same environment for 48 hours prior to fabrication. Condition at approximately 75 deg F (24 deg C) and 45 percent to 55 percent relative humidity.

B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Basis of Design: Wilsonart.

WILSONART CONTACT INFORMATION: Wilsonart, 2501 Wilsonart Drive, Temple, TX 76503-6110. Tel. 254.207.7000, Toll-Free 800.433.3222, Fax 254.207.3209. Website: www.wilsonart.com

EDITING NOTE: Refer to the Laminate Design Detail Page on the Wilsonart website for complete information on laminate properties, including applicable sustainable design conformance standards, compliance with additional standards, physical performance properties, and available sheet sizes.

2.02 TFL PANEL PROPERTIES

A. Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.

B. Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays.

C. Sustainable Design Conformance Standards:

1. CPA: Eco-Certified Composite (ECC) Sustainability Standard.
2.03 TFL PANEL ASSEMBLIES

A. Product: “Wilsonart® Thermally Fused Laminate Panels.”

B. Laminate Component:

1. Laminate Conformance Standard: NEMA LD 3, Grade VGL.
2. Finish: [Textured Gloss - 07] [Soft Grain - 12] [Linearity - 18] [Fine Velvet Texture - 38] [Matte - 60] [Fine Grain - 78].
3. Color and Pattern: [__________________________].

EDITING NOTE: If color and pattern are not specified in the subparagraph above, delete and select one of the following subparagraphs.

4. Color and Pattern: Specified in SCHEDULE Article of this Section.
6. Color and Pattern: Selected from manufacturer's full range of available selections.

EDITING NOTE: TFL Panels are available with multiple core materials, including particleboard and medium density fiberboard. Moisture-resistant core is only available with medium density fiberboard. Default Grades specified are typical performance values. Other grades can be specified; refer to the Substrate Selection Technical Bulletin on the Wilsonart website for additional information. Selecting options for no added urea formaldehyde and CARB ATCM are necessary for sustainable design low-emitting material conformance.

C. Panel Core Material: Particleboard [with no added urea formaldehyde].

1. Conformance Standards: ANSI 208.1, Grade [M-2]. [Compliant with CARB ATCM.]
2. Product Type and Thickness: [Type 858 - 5/8 inch] [Type 875 - 3/4 inch] [Type 870 - 1 inch] [Type 878 - 1-1/8 inch]. ± 0.008 inch dimensional tolerance.
3. Panel Width: [49 inches] [61 inches] [__________]. ± 0.036 inch dimensional tolerance.
4. Panel Length: [97 inches] [121 inches] [145 inches] [__________]. ± 0.080 inch dimensional tolerance.

D. Panel Core Material: Medium density fiberboard [with no added urea formaldehyde].

1. Conformance Standard: ANSI 208.2. Grade [130]. [Compliant with CARB ATCM.]
2. Product Type and Thickness: [Type 841 - 1/2 inch] [Type 845 - 3/4 inch]. ± 0.008 inch dimensional tolerance.
3. Panel Width: [49 inches] [61 inches] [__________]. ± 0.036 inch dimensional tolerance.
4. Panel Length: [97 inches] [121 inches] [145 inches] [__________]. ± 0.080 inch dimensional tolerance.
E. Moisture-Resistant Panel Core Material: Medium density fiberboard [with no added urea formaldehyde].

1. Conformance Standard: ANSI 208.2. Grade [130]. [Compliant with CARB ATCM.]
2. Product Type and Thickness: Type 885 - 3/4 inch. ± 0.008 inch dimensional tolerance.
3. Panel Width: [49 inches] [61 inches] [__________] ± 0.036 inch dimensional tolerance.
4. Panel Length: [97 inches] [121 inches] [145 inches] [__________]. ± 0.080 inch dimensional tolerance.

2.04 DECORATIVE EDGEBANDS

A. Edgeband Products: “Wilsonart® Edgeland.”

1. Composition: ABS/PVC extruded fabrication.
2. Width: Equal to or greater than panel thickness.
3. Finish: [Match TFL Panels] [Textured Gloss - 07] [Soft Grain - 12] [Linearity - 18] [Fine Velvet Texture - 38] [Matte - 60] [Fine Grain - 78].
4. Color and Pattern: [Match TFL Panels] [_____________].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

5. Color and Pattern: Specified in SCHEDULE Article of this Section.
7. Color and Pattern: Selected from manufacturer's full range of available selections.

2.05 FABRICATION

A. Fabricate TFL Panels in shop, to greatest extent practicable, in sizes and shapes indicated according to approved shop drawings and manufacturer’s published fabrication requirements.

B. Provide holes and cutouts indicated on approved shop drawings. Use a router to create cutouts and complete by sanding all edges smooth.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates and conditions that could adversely affect the work of this Section.

B. Substrates must be sound, flat, smooth, and free from dust or other surface contaminants.

C. Commencement of work will constitute acceptance of existing conditions and substrates to receive the work.
3.02 INSTALLATION

A. Conformance Standard: Comply with AWI AWS as applicable to Project.

B. Install TFL Panels plumb, level, and true according to approved shop drawings and manufacturer’s published installation instructions. Shim as required during installation process.

C. Attach TFL Panels to substrates as indicated on Drawings and approved shop drawings.

3.03 CLEANING AND PROTECTION

A. Clean TFL Panels according to manufacturer’s published care and maintenance instructions. Completely remove deleterious substances from finished surfaces.

3.04 SCHEDULE

OPTION: Color and Pattern Schedule may be inserted here if this option is chosen.

END OF SECTION 06 4219
Wilsonart Laminate comprises a vast range of laminate products with colors and patterns to suit virtually any architectural cabinet design requirements, from standard decorative laminate offerings to digital artwork and photorealistic imagery replications. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.
Wilsonart Thermally Fused Laminate (TFL) Panels provide a cost-effective melamine-laminate-based panel construction option. TFL Panel laminate surfaces provide good wear and resistance to stains and scratches. Additionally, urea-formaldehyde-free and moisture-resistant panel core options are available. It is important to note that TFL Panels are one component of the Wilsonart Coordinated Surfaces Program, which enables the design professional to select from multiple laminate surface options without compromising the intended design concept for a particular project.

Wilsonart Laminate and TFL Panels contribute to LEED-NC and LEED-CI points in several categories. Wilsonart Laminate has attained UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions into indoor air during product usage, and SCS certifications for recycled content and FSC stewardship criteria compliance.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

Retain or delete this article in all Sections of Project Manual.

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Plastic-laminate-faced architectural cabinets.
2. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets unless concealed within other construction before cabinet installation.

B. Related Requirements:

Retain subparagraph below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.

1. Section 061000 "Rough Carpentry" for wood furring, blocking, shims, and hanging strips required for installing cabinets and concealed within other construction before cabinet installation.
2. Section 123623.13 "Plastic-Laminate-Clad Countertops."
3. Section 123661.19 "Quartz Agglomerate Countertops."

1.3 REFERENCES

A. ANSI A 208.1: Particleboard.
B. ANSI A 208.2: Medium Density Fiberboard (MDF) For Interior Applications
1.4 PREINSTALLATION MEETINGS

Retain "Preinstallation Conference" Paragraph below if Work of this Section is extensive or complex enough to justify a conference.

   A. Preinstallation Conference: Conduct conference at [Project site] <Insert location>.

If needed, insert list of conference participants not mentioned in Section 013100 "Project Management and Coordination."
1.5  ACTION SUBMITTALS

A.  Product Data: For each type of product, including panel products, high-pressure decorative laminate, adhesive for bonding plastic laminate, fire-retardant-treated materials, and cabinet hardware and accessories.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

2. Include Safety Data Sheets (SDS).

LEED-NC and LEED-CI points are achievable in several categories. Sustainability certifications include UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions, and SCS certifications for recycled content and FSC stewardship criteria compliance. Full sustainability documentation can be accessed at www.wilsonart.com/resources.

B.  Sustainable Design Submittals:

1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

"Product Certificates" Subparagraph below applies to LEED 2009.

2. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.


"Product Data" Subparagraph below applies to LEED 2009 NC and CI Credit IEQ 4.4.

4. Product Data: For adhesives, indicating that product contains no urea formaldehyde.

C.  Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

Retain first subparagraph below only for ornate, complex, or very high-quality work.

1. Show details full size.

2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.

3. Show locations and sizes of cutouts and holes for electrical switches and outlets and other items installed in architectural plastic-laminate cabinets.

Retain one of two subparagraphs below only if retaining other requirements for WI's or AWI's quality certification program.

4. Apply WI Certified Compliance Program label to Shop Drawings.

5. Apply AWI Quality Certification Program label to Shop Drawings.
Delete "Samples for Initial Selection" Paragraph below if colors and other characteristics are preselected and specified or scheduled. Retain "Samples for Verification" Paragraph below with or without "Samples for Initial Selection" Paragraph.

D. Samples for Initial Selection:

Revise list below to suit Project.

1. Plastic laminates.
2. ABS/PVC edge material.
3. Thermoset decorative panels.

E. Samples for Verification:

Delete items in subparagraphs below that are not needed for control of grain character, color, and finish, or insert other items. The "Architectural Woodwork Standards" require samples to be "as wide as practical" by 12 inches (300 mm) for lumber and 12 by 12 inches (300 by 300 mm) for panel products.

1. Plastic laminates, [8 by 10 inches (200 by 250 mm)] [12 by 12 inches (300 by 300 mm)], for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.
2. Thermoset decorative panels, [8 by 10 inches (200 by 250 mm)] [12 by 12 inches (300 by 300 mm)], for each color, pattern, and surface finish, with edge banding on one edge.
3. Corner pieces as follows:
   a. Cabinet-front frame joints between stiles and rails, as well as exposed end pieces, 18 inches (450 mm) high by 18 inches (450 mm) wide by 6 inches (150 mm) deep.
   b. Miter joints for standing trim.

Delete subparagraph below if Product Data are acceptable.

4. Exposed cabinet hardware and accessories, one unit for each type and finish.

1.6 INFORMATIONAL SUBMITTALS

Coordinate "Qualification Data" Paragraph below with qualification requirements in Section 014000 "Quality Requirements" and as may be supplemented in "Quality Assurance" Article.

A. Qualification Data: For [Installer] [fabricator].

B. Product Certificates: For [each type of product.] [the following:]

1. Composite wood and agrifiber products.
2. Thermoset decorative panels.
3. High-pressure decorative laminate.
4. Glass.
5. Adhesives.
C. Woodwork Quality Standard Compliance Certificates: [AWI Quality Certification Program certificates] [WI Certified Compliance Program certificates].

D. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

1.7 QUALITY ASSURANCE

Consider retaining one of two options in "Fabricator Qualifications" Paragraph below if AWI quality certification or WI compliance certification is required. Both AWI and WI will inspect work and provide certification for work that passes inspection if fabricator is not certified/licensed.

A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.[ Shop is a certified participant in AWI's Quality Certification Program.][ Shop is a licensee of WI's Certified Compliance Program.]

Delete "Installer Qualifications" Paragraph below if not required or available. If AWI Quality Certification Program labels or certificates are required for installation, installer must be a certified participant. If woodwork must be FSC certified, fabricator must either install woodwork or be FSC certified for chain of custody.

B. Installer Qualifications: [Fabricator of products] [Certified participant in AWI's Quality Certification Program] [Licensee of WI's Certified Compliance Program].

C. Laminate Manufacturer Qualifications: Manufacturer producing products in an ISO 9001 certified facility.

D. Testing Agency Qualifications: For testing agency providing classification marking for fire-retardant-treated material, an inspection agency acceptable to authorities having jurisdiction that periodically performs inspections to verify that the material bearing the classification marking is representative of the material tested.

E. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

Retain first subparagraph below and indicate on Drawings plastic-laminate cabinets represented by mockup or draw mockup as separate element; otherwise insert a description of the cabinets to be mocked up.

1. Build mockups of [typical plastic-laminate cabinets as shown on Drawings] <Insert description>.

Retain subparagraph below if the intention is to make an exception to the default requirement in Section 014000 "Quality Requirements" for demolishing and removing mockups.

2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
1.8 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver cabinets until painting and similar operations that could damage woodwork have been completed in installation areas. If cabinets must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.9 FIELD CONDITIONS

Retain first "Environmental Limitations" Paragraph below if humidity will not be controlled during occupancy.

A. Environmental Limitations: Do not deliver or install cabinets until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

Retain "Environmental Limitations" Paragraph below if humidity will be controlled during occupancy and retain one of three relative-humidity ranges or insert another based on local climatological data. Three ranges given are for painted or finished woodwork. First applies to Ontario, Quebec, and most of U.S. Second applies to damp coastal areas of southern U.S. and the Maritime Provinces. Third applies to dry southwestern U.S. and to Alberta, Manitoba, and Saskatchewan. For unfinished woodwork, narrower ranges will be required to maintain optimum moisture content. See map and discussion about relative humidity and moisture content in the "Architectural Woodwork Standards."

B. Environmental Limitations: Do not deliver or install cabinets until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between \([25 \text{ and } 55] [43 \text{ and } 70] [17 \text{ and } 50]\) percent during the remainder of the construction period.

C. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed, and indicate measurements on Shop Drawings.

D. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where cabinets are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.10 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that cabinets can be supported and installed as indicated.

Retain "Hardware Coordination" Paragraph below if cabinet locks or other hardware applied to woodwork, such as hinges and locks applied to wood jambs, is specified in a hardware Section. Include a
similar paragraph for other specific items requiring coordination, such as light fixtures installed in woodwork.

B. Hardware Coordination: Distribute copies of approved hardware schedule specified in Section 087111 "Door Hardware (Descriptive Specification)" to fabricator of architectural woodwork; coordinate Shop Drawings and fabrication with hardware requirements.

PART 2 - PRODUCTS

See Editing Instruction No. 1 in the Evaluations for cautions about named manufacturers and products. For an explanation of options and Contractor's product selection procedures, see Section 016000 "Product Requirements."

2.1 ARCHITECTURAL CABINET FABRICATORS

Retain "Fabricators" Paragraph below if a list of preapproved woodworkers is used as a quality-control procedure. See Evaluations. Retain first or second option if additional firms will not be considered; retain third option if they will. If retaining third option, include procedure for approving other firms in the Instructions to Bidders.

A. Fabricators: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available fabricators offering products that may be incorporated into the Work include, but are not limited to, the following]:

See AWI's or WI's member list for names of woodworking firms.

1. <Insert, in separate subparagraphs, names and possibly contact information for preapproved woodworking firms>.

2.2 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS

A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of architectural plastic-laminate cabinets indicated for construction, finishes, installation, and other requirements.

If retaining first subparagraph below, verify applicability of certification for Project's geographic location. Certification programs of both organizations are available to member and nonmember firms. Both AWI and WI will inspect work and provide certification for work that passes inspection if fabricator is not certified/licensed. Contact either organization for a list of certified woodworkers in Project's location.

1. Provide [labels] [and] [certificates] from [AWI] [WI] certification program indicating that woodwork[, including installation,] complies with requirements of grades specified.

Retain subparagraph below only if Drawings and Specifications are more restrictive than quality standard.

2. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard.
B. Grade: [Premium] [Custom] [Economy].

"Regional Materials" Paragraph below applies to LEED 2009 NC Credit MR 5 and to LEED 2009 CI Credit MR 5, Option 2; before retaining, verify availability of materials that comply.

C. Regional Materials: Wood products shall be manufactured within 500 miles (800 km) of Project site from materials that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles (800 km) of Project site.

"Regional Materials" Paragraph below applies to LEED 2009 CI Credit MR 5, Option 1.

D. Regional Materials: Wood products shall be manufactured within 500 miles (800 km) of Project site.

"Certified Wood" Paragraph below applies to LEED 2009. Manufacturers certifying products as "FSC Mixed Credit" do not have to use 100 percent certified wood in the products; however, in their total production, manufacturers must use an amount equal to or greater than the percentage of their production that is labeled "FSC Mixed Credit."

E. Certified Wood: Wood products shall be certified as "FSC Pure" [or "FSC Mixed Credit"] according to FSC STD-01-00 and FSC STD-40-004.

F. Type of Construction: [Frameless] [Face frame].

G. Cabinet, Door, and Drawer Front Interface Style: [Flush overlay] [Reveal overlay] [Lipped] [Flush inset].

H. Reveal Dimension: [1/2 inch (13 mm)] [As indicated] <Insert dimension>.

Wilsonart offers a full complement of decorative plastic laminate product options, including “Standard,” “High Definition,” “Solicor,” WilsonartXYou,” “Virtual Design Library,” and “Compact Laminate.” Other choices are available for fire-rated (Wilsonart Fire-Rated) and chemical-resistant (Wilsonart Chemsurf) products. Complete design and technical information can be accessed at www.wilsonart.com/products.

I. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by woodwork quality standard.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Wilsonart LLC; Decorative Plastic Laminates or a comparable product by one of the following:

   a. Abet Laminati Inc.
   b. Formica Corporation.
   c. Lamin-Art, Inc.
   d. Pionite; a Panolam Industries International, Inc. brand.
   e. <Insert manufacturer’s name>.

J. Laminate Cladding for Exposed Surfaces:
Retain grade designations from options in first four subparagraphs below. Grade HGS is 1.2 mm (0.048 inch) thick, Grades HGL and HGP are 1.0 mm (0.039 inch) thick, and Grade VGS is 0.7 mm (0.028 inch) thick.

1. Horizontal Surfaces: [Grade HGS] [Grade HGL].
2. Postformed Surfaces: Grade HGP.
3. Vertical Surfaces: [Grade HGS] [Grade VGS].

The standard decorative edgeband for Wilsonart Laminates is an ABS/PVC extrusion, Wilsonart Edgeband.

5. Pattern Direction: [Vertically for drawer fronts, doors, and fixed panels]
   [Horizontally for drawer fronts, doors, and fixed panels] [Vertically for doors and fixed panels, horizontally for drawer fronts] [As indicated].

Delete "Materials for Semiexposed Surfaces" Paragraph below for woodworker's option from choices in standard.

K. Materials for Semiexposed Surfaces:

1. Surfaces Other Than Drawer Bodies: [High-pressure decorative laminate, NEMA LD 3, Grade VGS] [High-pressure decorative laminate, NEMA LD 3, Grade CLS] [Thermoset decorative panels].

Retain one edge construction from "Edges of Plastic-Laminate Shelves" Subparagraph below if retaining high-pressure decorative laminate in "Surfaces Other Than Drawer Bodies" Subparagraph above.

   b. Edges of Thermoset Decorative Panel Shelves: ABS/PVC extruded fabrication.

Retain first subparagraph below if required to provide balanced construction.

   c. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, NEMA LD 3, [Grade VGS] [Grade CLS].

2. Drawer Sides and Backs: [Solid-hardwood lumber] [Thermoset decorative panels with ABS/PVC extrusion banding].
3. Drawer Bottoms: [Hardwood plywood] [Thermoset decorative panels].

Retain "Dust Panels" Paragraph below if required. Dust panels are not required by standards.

L. Dust Panels: 1/4-inch (6.4-mm) plywood or tempered hardboard above compartments and drawers unless located directly under tops.

Retain "Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces" Paragraph below if required to provide balanced construction. Complete backer sheet technical information, including Grade designations other than BKL, can be accessed at www.wilsonart.com/products.

M. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL.
N. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.

1. Join subfronts, backs, and sides with [**glued rabbeted joints supplemented by mechanical fasteners**] [or] [**glued dovetail joints**].

O. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

Retain one of first four subparagraphs below. If retaining second, indicate colors, patterns, and finishes in a separate schedule.

1. As specified in SCHEDULE Article of this Section.
2. As indicated by laminate manufacturer's designations.
4. As selected by Architect from laminate manufacturer's full range.
   a. Patterns, [**gloss**] [**matte**] finish.

2.3 WOOD MATERIALS

A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.

Retain one of three ranges of moisture content in "Wood Moisture Content" Subparagraph below. First range applies to Ontario, Quebec, and most of U.S. Second applies to damp coastal areas of southern U.S. and to the Maritime Provinces. Third applies to dry southwestern U.S. and to Alberta, Manitoba, and Saskatchewan. See relative-humidity and moisture-content map in the "Architectural Woodwork Standards." Note that some areas have micro-climates that differ from the surrounding region.

1. Wood Moisture Content: [5 to 10] [8 to 13] [4 to 9] percent.

B. Composite Wood and Agrifiber Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.

Retain "Recycled Content of MDF and Particleboard" Paragraph below to specify recycled content if required. An alternative method of requiring recycled content is to retain requirement in Project's Division 01 sustainable design requirements Section that gives Contractor the option and responsibility to determine how recycled content requirements will be met. Recycled content of MDF and particleboard varies greatly; consult manufacturers before inserting requirement.

1. Recycled Content of MDF and Particleboard: Postconsumer recycled content plus one-half of preconsumer recycled content not less than <**Insert value**> percent.

"Composite Wood Products" Paragraph below applies to LEED 2009 NC, CI, and CS Credit IEQ 4.4.

C. Composite Wood Products: Products shall be made without urea formaldehyde.

Grades for medium-density fiberboard changed with the 2002 edition of ANSI A208.2. Grade 130 is approximately equivalent to the previous Grade MD.
2. Particleboard: ANSI A208.1, [Grade M-2] [Grade M-2-Exterior Glue].
3. Particleboard: Straw-based particleboard complying with requirements in ANSI A208.1, Grade M-2, except for density.
   a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      1) Environ Biocomposites Manufacturing LLC.
      2) Sorm Incorporated.
      3) <Insert manufacturer’s name>.
4. Softwood Plywood: DOC PS 1[, medium-density overlay].

Note that the term "plywood" in "Veneer-Faced Panel Products (Hardwood Plywood)" Subparagraph below refers to a wood-based panel with veneers applied to both faces; core may be made up of veneers (either hardwood or softwood), particleboard, medium-density fiberboard, hardboard, or glued-up lumber.


Thermoset decorative panels are frequently called "melamine." If retaining "Thermoset Decorative Panels" Subparagraph below, also retain "Medium-Density Fiberboard" Subparagraph and applicable "Particleboard" Subparagraph above. Note that Wilsonart Thermally Fused Laminate (TFL) Panels are one component of the Wilsonart Coordinated Surfaces program that combines Wilsonart Laminate, TFL Panels, and the standard Wilsonart Edgeband as a suite of products offering the best possible matches in surface, design, and texture, regardless of the pattern(s) selected. Selection of products by other manufacturers, including those submitted as cost-effective (deductive) alternates, may compromise the design concept desired for a particular project. For additional information please visit www.wilsonart.com/resources.

6. Thermoset Decorative Panels: Particleboard or medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for test methods 3.3, 3.4, 3.6, 3.8, and 3.10.
   a. Basis-of-Design Product: Subject to compliance with requirements, provide Wilsonart Thermally Fused Laminate Panels or a comparable product by one of the following:
      1) Abet Laminati Inc.
      2) Arborite.
      3) Lamin-Art, Inc.
      4) <Insert manufacturer's name>.

2.4 FIRE-RETARDANT-TREATED MATERIALS

If fire-retardant materials are required, verify requirements and acceptability of various materials with authorities having jurisdiction.

A. Fire-Retardant-Treated Materials, General: Where fire-retardant-treated materials are indicated, use materials complying with requirements in this article that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products per test method indicated by a qualified testing agency.
1. Use treated materials that comply with requirements of referenced woodworking standard. Do not use materials that are warped, discolored, or otherwise defective.
2. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
3. Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation.

B. Fire-Retardant-Treated Lumber and Plywood: Products with a flame-spread index of 25 or less when tested according to ASTM E 84, with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet (3.2 m) beyond the centerline of the burners at any time during the test.

1. Kiln dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent, respectively.

Retain first subparagraph below if items are to receive a stained or natural finish. Organic resin treatment is more expensive than salt treatments but helps ensure a better stained or natural finish.
2. For items indicated to receive a stained or natural finish, use organic resin chemical formulation.

Retain one of two subparagraphs below. Before retaining first, verify that wood species and treatment process specified are approved for milling after treatment.
3. Mill lumber after treatment within limits set for wood removal that do not affect listed fire-test-response characteristics, using a woodworking shop certified by testing and inspecting agency.
4. Mill lumber before treatment and implement special procedures during treatment and drying processes that prevent lumber from warping and developing discolorations from drying sticks or other causes, marring, and other defects affecting appearance of treated woodwork.

Note that fire-retardant particleboard contains urea formaldehyde. It complies with requirements for Class I (Class A) finish but not requirements of model codes for use where noncombustible materials are required.

C. Fire-Retardant Particleboard: Panels complying with the following requirements, made from softwood particles and fire-retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 25 or less per ASTM E 84.

1. For panels 3/4 inch (19 mm) thick and less, comply with ANSI A208.1 for Grade M-2 except for the following minimum properties: modulus of rupture, 1600 psi (11 MPa); modulus of elasticity, 300,000 psi (2070 MPa); internal bond, 80 psi (550 kPa); and screw-holding capacity on face and edge, 250 and 225 lbf (1100 and 1000 N), respectively.
2. For panels 13/16 to 1-1/4 inches (20 to 32 mm) thick, comply with ANSI A208.1 for Grade M-1 except for the following minimum properties: modulus of rupture, 1300 psi (9 MPa); modulus of elasticity, 250,000 psi (1720 MPa); linear expansion, 0.50 percent; and screw-holding capacity on face and edge, 250 and 175 lbf (1100 and 780 N), respectively.
D. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Flakeboard Company Limited.
2. SierraPine.
3. <Insert manufacturer’s name>.

Fiberboard in "Fire-Retardant Fiberboard" Paragraph below complies with requirements for Class I (Class A) finish but not requirements of model codes for use where noncombustible materials are required.

E. Fire-Retardant Fiberboard: Medium-density fiberboard panels complying with ANSI A208.2, made from softwood fibers, synthetic resins, and fire-retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 200 or less per ASTM E 84.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

   b. SierraPine.
   c. <Insert manufacturer’s name>.

2.5 CABINET HARDWARE AND ACCESSORIES

Where close matching of cabinet hardware and door hardware is required, it may be preferable to specify cabinet hardware in Section 087111 "Door Hardware (Descriptive Specification)."

A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 087111 "Door Hardware (Descriptive Specification)."

Paragraphs below describing hardware items are examples only; revise to suit Project. Delete if schedule is included on Drawings. See the "Architectural Woodwork Standards" or BHMA standards for illustrations of and designations for additional types of cabinet hardware.

B. Butt Hinges: 2-3/4-inch (70-mm), five-knuckle steel hinges made from 0.095-inch- (2.4-mm-) thick metal, and as follows:

1. Semiconealed Hinges for Flush Doors: BHMA A156.9, B01361.
2. Semiconealed Hinges for Overlay Doors: BHMA A156.9, B01521.

Hinges in "Frameless Concealed Hinges (European Type)" Paragraph below are not as strong as heavy-duty butt hinges above.

C. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, [100] [135] [170] degrees of opening, [self-closing].

D. Back-Mounted Pulls: BHMA A156.9, B02011.
E. Wire Pulls: Back mounted, solid [metal] [plastic], [4 inches (100 mm) long, 5/16 inch (8 mm) in diameter] [5 inches (127 mm) long, 2-1/2 inches (63.5 mm) deep, and 5/16 inch (8 mm) in diameter].

F. Catches: [Magnetic catches, BHMA A156.9, B03141] [Push-in magnetic catches, BHMA A156.9, B03131] [Roller catches, BHMA A156.9, B03071] [Ball friction catches, BHMA A156.9, B03013].

First option in "Adjustable Shelf Standards and Supports" Paragraph below specifies standards and clip-type rests for mounting at ends of shelves; second specifies standards and knife-type brackets for mounting at rear of shelves.

G. Adjustable Shelf Standards and Supports: [BHMA A156.9, B04071; with shelf rests, B04081] [BHMA A156.9, B04102; with shelf brackets, B04112].

Shelf rests in "Shelf Rests" Paragraph below are installed in holes drilled in cabinet sides and partitions.

H. Shelf Rests: BHMA A156.9, B04013; [metal] [plastic] [metal, two-pin type with shelf hold-down clip].

I. Drawer Slides: BHMA A156.9.
   1. Grade 1 and Grade 2: Side mounted [full-extension] [partial-extension] type; [zinc-plated steel] [epoxy-coated steel] with polymer rollers.
   2. Grade 1HD-100 and Grade 1HD-200: Side mounted; [full-extension] [full-overtravel-extension] type; zinc-plated-steel ball-bearing slides.

Grades in five subparagraphs below correspond to the following initial load test requirements: Grade 2, 30 lbf (13.3 kg); Grade 1, 50 lbf (22.2 kg); Grade 1HD-100, 100 lbf (44.5 kg); Grade 1HD-200, 200 lbf (90 kg).
   3. For drawers not more than 3 inches (75 mm) high and not more than 24 inches (600 mm) wide, provide [Grade 2] [Grade 1].
   4. For drawers more than 3 inches (75 mm) high but not more than 6 inches (150 mm) high and not more than 24 inches (600 mm) wide, provide [Grade 1] [Grade 1HD-100].
   5. For drawers more than 6 inches (150 mm) high or more than 24 inches (600 mm) wide, provide [Grade 1HD-100] [Grade 1HD-200].
   6. For computer keyboard shelves, provide [Grade 1] [Grade 1HD-100].
   7. For trash bins not more than 20 inches (500 mm) high and 16 inches (400 mm) wide, provide [Grade 1HD-100] [Grade 1HD-200].

J. [Plastic] [Aluminum] Slides for Sliding Glass Doors: BHMA A156.9, B07063.

Locks specified in "Door Locks" and "Drawer Locks" paragraphs below are deadbolt locks, surface mounted on inside of door or drawer with only the cylinder exposed on outside; revise either paragraph if another type of lock is required.

K. Door Locks: BHMA A156.11, E07121.

L. Drawer Locks: BHMA A156.11, E07041.
M. Door and Drawer Silencers: BHMA A156.16, L03011.

Retain "Float Glass for Cabinet Doors" or "Tempered Float Glass for Cabinet Doors" Paragraph below if glass is required for cabinet doors. Retain option in second paragraph for seamed exposed edges if unframed glass doors are used.

N. Float Glass for Cabinet Doors: ASTM C 1036, Type I, [\textbf{Class 1 (clear)}] [\textbf{Class 2 or 3 (tinted)}], Quality-Q3, [\textbf{3.0 mm}] [\textbf{4.0 mm}] [\textbf{5.0 mm}] [\textbf{6.0 mm}] thick.
   1. Tint Color: [\textbf{Blue-green}] [\textbf{Bronze}] [\textbf{Green}] [\textbf{Gray}] <Insert color>.

O. Tempered Float Glass for Cabinet Doors: ASTM C 1048, Kind FT, Condition A, Type I, [\textbf{Class 1 (clear)}] [\textbf{Class 2 or 3 (tinted)}], Quality-Q3, with exposed edges seamed before tempering, 6 mm thick unless otherwise indicated.
   1. Tint Color: [\textbf{Blue-green}] [\textbf{Bronze}] [\textbf{Green}] [\textbf{Gray}] <Insert color>.

P. Mirror Glass for Cabinet Doors: ASTM C 1503, Mirror [\textbf{Select}] [\textbf{Glazing}], Quality-Q3, [\textbf{3.0 mm}] [\textbf{4.0 mm}] [\textbf{5.0 mm}] [\textbf{6.0 mm}] thick.

Q. Decorative Glass for Cabinet Doors: Provide decorative glass complying with Section 088113 "Decorative Glass Glazing."

R. Tempered Float Glass for Cabinet Shelves: ASTM C 1048, Kind FT, Condition A, Type I, [\textbf{Class 1 (clear)}] [\textbf{Class 2 or 3 (tinted)}], Quality-Q3; with exposed edges seamed before tempering, 6 mm thick.
   1. Tint Color: [\textbf{Blue-green}] [\textbf{Bronze}] [\textbf{Green}] [\textbf{Gray}] <Insert color>.

S. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.

Subparagraphs below are examples only. Revise to suit Project. If more than one finish is required, indicate location of each here or on Drawings. See Evaluations.

1. Dark, Oxidized, Satin Bronze, Oil Rubbed: BHMA 613 for bronze base; BHMA 640 for steel base; match Architect's sample.
2. Bright Brass, Clear Coated: BHMA 605 for brass base; BHMA 632 for steel base.
5. Satin Chromium Plated: BHMA 626 for brass or bronze base; BHMA 652 for steel base.
6. Bright Chromium Plated: BHMA 625 for brass or bronze base; BHMA 651 for steel base.
7. Satin Stainless Steel: BHMA 630.

T. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.
2.6 MISCELLANEOUS MATERIALS

A. Furring, Blocking, Shims, and Hanging Strips: [Softwood or hardwood lumber] [Fire-retardant-treated softwood lumber], kiln dried to less than 15 percent moisture content.

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.

"Adhesives" Paragraph below applies to LEED 2009 NC and CI Credit IEQ 4.4.

C. Adhesives: Do not use adhesives that contain urea formaldehyde.

Retain one of five options in "Adhesive for Bonding Plastic Laminate" Paragraph below or delete all and leave as woodworker's option. First and second options are suitable for general use and for postforming. Use only unpigmented product with through-color laminate. Water-based varieties must be used where VOC limits apply. Third option is white or yellow wood glue and is good for use with through-color laminates; it is not for postforming and has poor water, chemical, and heat resistance. Fourth option has good water and chemical resistance and resistance to temperature fluctuations; it is also suitable for postforming and for through-color laminates. Retain fifth option if required for fire resistance; it is the only adhesive with flame-spread index less than 25. Resorcinol also has good water and chemical resistance; it is not for postforming or for through-color laminates. The complete line of Wilsonart laminate adhesives can be accessed at www.wilsonart.com/products.

D. Adhesive for Bonding Plastic Laminate: [Unpigmented contact cement] [Contact cement] [PVA] [Urea formaldehyde] [Resorcinol].

Retain "Adhesive for Bonding Edges" Subparagraph below unless good chemical, fire, or temperature resistance is required.

1. Adhesive for Bonding Edges: Hot-melt adhesive[or adhesive specified above for faces].

2.7 FABRICATION

A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.

B. Fabricate cabinets to dimensions, profiles, and details indicated.

C. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

Retain first subparagraph below if Architect will examine work in woodwork shop before it is shipped to Project site.

1. Notify Architect seven days in advance of the dates and times woodwork fabrication will be complete.
Retain subparagraph below for high-quality and large or complex work.

2. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.

D. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs. For decorative plastic laminates, comply with manufacturer's written fabrication instructions.

E. Install glass to comply with applicable requirements in Section 088000 "Glazing" and in GANA's "Glazing Manual." For glass in wood frames, secure glass with removable stops.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition cabinets to average prevailing humidity conditions in installation areas.

B. Before installing cabinets, examine shop-fabricated work for completion and complete work as required.

3.2 INSTALLATION

Revise "Grade" Paragraph below if installation grade is different from fabrication grade.

A. Grade: Install cabinets to comply with same grade as item to be installed.

B. Assemble cabinets and complete fabrication at Project site to the extent that it was not completed in the shop.

C. Install cabinets level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).

D. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

E. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing. Use fine finishing nails[ or finishing screws] for exposed fastening, countersunk and filled flush with woodwork.

1. Use filler matching finish of items being installed.
F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.

1. Install cabinets with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.

Revise requirements in subparagraph below as necessary for seismic restraint of cabinets. Delete if hanging cleats are used and are detailed on Drawings.

2. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches (400 mm) o.c. with [No. 10 wafer-head screws sized for not less than 1-1/2-inch (38-mm) penetration into wood framing, blocking, or hanging strips] [No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish] [toggle bolts through metal backing or metal framing behind wall finish].

3.3 ADJUSTING AND CLEANING

A. Repair damaged and defective cabinets, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

B. Clean, lubricate, and adjust hardware.

C. Clean cabinets on exposed and semiexposed surfaces. Clean decorative plastic laminate surfaces according to manufacturer's written care and maintenance instructions.

D. Protect completed work from damage for duration of construction period.

3.4 SCHEDULE

END OF SECTION 064116
SECTION 06 0620
DECORATIVE PLASTIC LAMINATE

This Section specifies “Wilsonart®” Decorative Plastic Laminate produced by Wilsonart. Wilsonart offers a wide range of laminate products with colors and patterns to suit virtually any residential or commercial need. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.

Wilsonart® Laminates are the preferred design option for fine quality residential and contract furniture, fixtures and casework. Interior architectural applications such as columns, wainscoting, valances, cornices, interior doors, and divider systems are ideal for laminate finish solutions. Wilsonart has also developed specialty uses such as visual display surfaces, fire-rated and chemical resistant surfaces.

Wilsonart Laminates contribute to LEED-NC and LEED-CI points in several categories and have attained UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions into indoor air during product usage.

Section Editing: Informational notes will appear as “Editing Note” text boxes throughout this Section. Bracketed bold text will require a selection to be made or information to be inserted.

PART 1 - GENERAL

1.01 SECTION INCLUDES

EDITING NOTE: Revise listing to suit Project requirements.

- A. Standard Decorative Laminates.
- B. High Definition Laminates.
- C. Solicor Laminates.
- D. x You Laminates.
- E. Virtual Design Library Laminates.
- F. Markerboard Laminates.
- G. Chalkboard Laminates.
- H. Fire-Rated Decorative Laminates.
- I. Compact Laminates.
- J. Chemical-Resistant Decorative Laminates.
- K. High Wear Decorative Laminates.
- L. Cabinet Liners.
- M. Phenolic Backer Sheets.
N. Decorative Edges and Edgeband.
O. Accessory Materials.

1.02 RELATED REQUIREMENTS

EDITING NOTE: Section listings below are common references and based on the broadly accepted CSI MasterFormat® for Section numbers and titles. Revise to suit requirements for particular project.

A. Section 01 3000 - Submittals.
B. Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.
C. Section 06 4219 - Plastic-Laminate-Clad Wood Paneling.
D. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
E. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
F. Section 12 3530.13 - Kitchen Casework.
G. Section 12 3623.13 - Plastic-Laminate-Clad Countertops.

1.03 REFERENCES

EDITING NOTE: Revise Reference Standards to suit Project requirements.

A. Reference Standards:

5. AWS: Architectural Woodwork Standards.
7. IMO: International Maritime Organization.
10. IMO FTP Code Part 5: Test for Surface Flammability.
15. LEED: Leadership in Energy and Environmental Design.
16. NEMA LD-3: High Pressure Decorative Laminates.
18. NSF 35: High Pressure Decorative Laminates for Surfacing Food Service Equipment.
22. SCS: SCS Global Services.

1.04 SUBMITTALS

A. Submit under provisions of Section 01 3000 - Submittals.

B. Product Data: Submit the following:
   1. Product data for each specified product. Include manufacturer’s technical data sheets and published instruction instructions.
   2. Safety Data Sheets (SDS).

C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.

D. Samples: Selection and verification samples for each color, pattern, and finish required.

E. Quality Assurance Submittals:
   1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
   2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.

F. Maintenance Data: Manufacturer's published maintenance manual with closeout submittals.

1.05 REGULATORY REQUIREMENTS

A. Adhesives, Sealants, and Sealant Primers:
   1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.
   2. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

1.06 QUALITY ASSURANCE

A. Qualifications:
   1. Manufacturer Qualifications: Manufacturer producing products in an ISO 9001, ISO 14001, and OHSAS 18001 certified facility.
   2. Fabricator Qualifications: Minimum of three years documented experience in fabricating decorative plastic laminates similar in scope and complexity of this Project.
   3. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project. [Installer shall be the fabricator].
B. LEED 2009 rating system potential credits for plastic laminate:

1. [LEED-NC] [LEED-CI] MR Credit 4 - Recycled Content.
2. [LEED-NC] [LEED-CI] MR Credit 5 - Regional Materials.
3. [LEED-NC] [LEED-CI] MR Credit 6 - Rapidly Renewable Content.
4. [LEED-NC] [LEED-CI] MR Credit 7 - Certified Wood.
5. [LEED-NC] [LEED-CI] IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
6. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

C. LEED 2009 rating system potential credits for Wilsonart® Adhesives:

1. [LEED-NC] [LEED-CI] IEQ Credit 3.2 - Construction Indoor Air Quality Management Plan - Before Occupancy.
3. [LEED-NC] [LEED-CI] IEQ Credit 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products.
4. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

D. Mock-Up:

1. Install at Project site using acceptable products and manufacturer approved installation methods. Obtain Architect's acceptance for color, pattern, finish, fabrication, and installation standards.
2. Mock-Up Size: [ ____________ ] by [ ____________ ].
4. Mock-Up Location: [Indicated on Drawings] [As directed by Architect].
5. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
6. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Storage and Protection: Store plastic laminate materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store sheet materials flat on pallets or similar rack-type storage to preclude damage.
1.08 PROJECT CONDITIONS

A. Environmental Requirements: Ensure appropriate acclimatization between plastic laminate and substrate prior to fabrication. Condition plastic laminate and substrate surfaces in the same environment for 48 hours prior to fabrication. Condition at approximately 75 deg F (24 deg C) and 45 percent to 55 percent relative humidity.

1. Adhesive: For best results, apply adhesives at temperatures at or above 65 deg F (18 deg F).

B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Basis of Design: Wilsonart.

EDITING NOTE: Refer to the Laminate Design Detail Page on the Wilsonart website for complete information on laminate properties, including applicable sustainable design conformance standards, compliance with additional standards, physical performance properties, and available sheet sizes.

2.02 LAMINATE PROPERTIES

A. Laminate Composition: Decorative surface papers impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. Sheets then bonded together under pressures greater than 1,000 lbs. per sq. in. and high temperatures approaching 300 deg F (149 deg C). Finished sheets trimmed and backsanded to facilitate bonding to substrate.

B. Sustainable Design Conformance Standards:

1. UL 2818 GREENGUARD Gold Certified.
2. SCS Certified Indoor Air Quality Advantage™ Gold Certified.
3. SCS Chain of Custody Certified for FSC® Mix, FSC Controlled Wood.
4. SCS Recycled Content Certified.
C. Surface Burning Characteristics:

2. Interior Finish Classification, Fire-Rated Laminate: Class A according to NFPA 101. Flame spread less than 25 and Smoke Developed less than 450.

D. Surfaces Subject to Food Contact: Comply with NSF Standard 35.

2.03 STANDARD DECORATIVE LAMINATES

A. Product: “Wilsonart ® Laminate.”


C. General Purpose Laminate Product: “Wilsonart Type 107.”

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGS.
3. Color, Pattern, and Finish: [________________________].

D. Vertical Surface Laminate Product: “Wilsonart Type 335.”

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grades VGS and VGP.
3. Color, Pattern, and Finish: [________________________].
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

E. Postforming Laminate Product: “Wilsonart Type 350.”

1. Sheet Thickness: 0.039 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGP.
3. Color, Pattern, and Finish: [__________________________].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

**2.04 HIGH DEFINITION LAMINATES**

A. Product: “Wilsonart® HD® High Definition® Laminate, Type 376.”

**EDITING NOTE:** All High Definition laminates with premium finishes are manufactured with AEON™ Enhanced Performance Technology.


C. Sheet Thickness: 0.039 inch nominal.

D. Laminate Conformance Standard: NEMA LD 3, Grade HGP.

E. Finish: [Mirage -35] [Facet -45] [Glaze -55].

F. Color and Pattern: [__________________________].

**EDITING NOTE:** If color and pattern are not specified above, delete and select one of the following options.

G. Color and Pattern: Specified in SCHEDULE Article of this Section.

H. Color and Pattern: Indicated on Drawings.

I. Color and Pattern: Selected from manufacturer's full range of available selections.

**2.05 SOLICOR LAMINATES**

A. Product: “Wilsonart® Solicor™ Laminate, Type 160.” Color through the core.

B. Sheet Thickness: 0.048 inch nominal.


D. Color, Pattern, and Finish: [D354 Designer White, Matte Finish -60] [D354 Designer White, High Gloss Finish -01] [D427 Linen, Matte Finish -60] [D427 Linen, High Gloss Finish -01] [4925 Calcutta Marble, Fine Velvet Texture Finish -38].
2.06 X YOU (WxY) LAMINATES

EDITING NOTE: “Wilsonart® x You” creates a unique sheet of laminate from your digital artwork. Available in a range of sizes and product types, this process enables designers to create a custom laminate with no minimum order. For file formats and other specifications, visit us online.

A. Product: “Wilsonart® x You Laminate.”

EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.


C. General Purpose Type: [Silk-Screen Process - “Wilsonart Type 173”] [Graphic Image Process - “Wilsonart Type 174”].

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGS.
3. Color, Pattern, and Finish: ____________________________.

EDITING NOTE: If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

D. Vertical Surface Type: [Silk-Screen Process - “Wilsonart Type 363”] [Graphic Image Process - “Wilsonart Type 364”].

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
3. Color, Pattern, and Finish: ____________________________.

EDITING NOTE: If color, pattern, and finish not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

E. Postforming Type: [“Wilsonart Type 374”].

1. Sheet Thickness: 0.039 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGP.
3. Color, Pattern, and Finish: ____________________________.

EDITING NOTE: If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.
4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.07 VIRTUAL DESIGN LIBRARY (VDL) LAMINATES

EDITING NOTE: Reach beyond the wallboard with Wilsonart's Virtual Design Library. Wilsonart understands that design should not be limited by pegs on a board, links in a chain, or space on a shelf. From photorealistic imagery to abstract and artistic graphics, our online Virtual Design Library offers a growing selection of exclusive laminate patterns to fit your needs. This ever-growing collection offers hundreds of additional designs online.

A. Product: "Wilsonart® Virtual Design Library Laminate."

EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.


C. Vertical Surface Type: "Wilsonart Type 362" ["Wilsonart Type 367"].
   1. Sheet Thickness: 0.028 inch nominal.
   2. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
   3. Color, Pattern, and Finish: [__________________________].

EDITING NOTE: If color, pattern, and finish not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

D. Postforming Type: "Wilsonart Type 372" ["Wilsonart Type 377"].
   1. Sheet Thickness: 0.039 inch nominal.
   2. Laminate Conformance Standard: NEMA LD 3, Grade HGP.
   3. Color, Pattern, and Finish: [__________________________].

EDITING NOTE: If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.08 [MARKERBOARD] [AND] [CHALKBOARD] LAMINATES

EDITING NOTE: Select type(s) required for Project.

A. Markerboard Product: Wilsonart® Markerboard Laminate.
B. Markerboard Laminate - Horizontal Grade Type: “Wilsonart Type 136.”

1. Sheet Thickness: 0.048 inch nominal.
2. Conformance Standard: NEMA LD 3, Grade HGS.
3. Color and Finish: [1572, Antique White, Gloss -09 Finish] [1573, Frosty White, Gloss -09 Finish] [1595, Black, Gloss -09 Finish].

EDITING NOTE: If color and finish is not specified above, delete and select from one of the following options.

4. Colors: Specified in SCHEDULE Article of this Section.
5. Colors: Indicated on Drawings.
6. Colors: Selected from manufacturer's full range of available selections.

C. Chalkboard Product: Wilsonart® Chalkboard Laminate.

D. Chalkboard Laminate - Horizontal Grade Type: “Wilsonart Type 137.”

1. Sheet Thickness: 0.048 inch nominal.
2. Conformance Standard: NEMA LD 3, Grade HGS.

2.09 FIRE-RATED DECORATIVE LAMINATES


B. General Purpose Type: “Wilsonart Type 604.”

1. Sheet Thickness: 0.032 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade VGF.
3. Color, Pattern, and Finish: [______________________].

EDITING NOTE: If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

C. General Purpose Type: “Wilsonart Type 605.”

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGF.
3. Color, Pattern, and Finish: [______________________].

EDITING NOTE: If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
D. General Purpose Type: “Wilsonart Type 607.”

1. Sheet Thickness: 0.059 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade SGF.
3. Color, Pattern, and Finish: __________________________

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.10 COMPACT LAMINATES

**EDITING NOTE:** Compact Laminates are high performance solid composites offering superior impact resistance, fire-rated performance, and chemical/stain resistance.

A. Product: “Wilsonart® Compact Laminate.”


**EDITING NOTE:** Types 114 and 117 are sanded one side; remainder are double-faced.

1. Product Type and Nominal Thickness: [Type 114; 0.100 inch] [Type 514; 0.100 inch] [Type 117; 0.118 inch] [Type 515; 0.125 inch] [Type 569; 0.250 inch] [Type 571; 0.312 inch] [Type 572; 0.375 inch] [Type 568; 0.500 inch] [Type 575; 0.750 inch] [Type 590; 1.00 inch].
2. Laminate Conformance Standard: NEMA LD 3, Grade CGS.
3. Finish: Matte -60.
4. Color and Pattern: __________________________

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.

5. Color and Pattern: Specified in SCHEDULE Article of this Section.
7. Color and Pattern: Selected from manufacturer's full range of available selections.

C. “Wilsonart® Fire-Rated Grade”: For applications where fire-rated properties are required. Double-faced. Class A rated according to NFPA 101.

1. Product Type and Nominal Thickness: [Type 669; 0.250 inch] [Type 671; 0.312 inch] [Type 672; 0.375 inch] [Type 668; 0.500 inch] [Type 675; 0.750 inch] [Type 690; 1.00 inch].
2. Laminate Conformance Standard: NEMA LD 3, Grade CGS.
3. Finish: Matte -60.
4. Color and Pattern: __________________________

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.
5. Color and Pattern: Specified in SCHEDULE Article of this Section.
7. Color and Pattern: Selected from manufacturer's full range of available selections.

D. "Wilsonart® Laboratory Grade": For applications requiring high degree of chemical and stain resistance. Double-faced.

1. Product Type and Nominal Thickness: [569-95; 0.250 inch] [571-95; 0.312 inch] [572-95; 0.375 inch] [568-95; 0.500 inch] [575-95; 0.750 inch] [590-95; 1.00 inch].
2. Laminate Conformance Standard: NEMA LD 3, Grade CGS.
3. Finish: Matte -95.
4. Color and Pattern: [_________________________].

EDITING NOTE: If color and pattern selections are not specified above, delete and select from one of the following options.

5. Color and Pattern: Specified in SCHEDULE Article of this Section.
7. Color and Pattern: Selected from manufacturer's full range of available selections.

2.11 CHEMICAL-RESISTANT DECORATIVE LAMINATES

A. Product: "Wilsonart® Chemsurf® Chemical-Resistant Laminate."

B. Post-Forming Type: "Wilsonart Type 390".

1. Sheet thickness: 0.034 inch nominal.
2. Color, Pattern, and Finish: [_________________________].

EDITING NOTE: If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

3. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.12 HIGH WEAR DECORATIVE LAMINATES

A. Product: "Wilsonart® High Wear Laminate."

EDITING NOTE: High Wear Types 107HW, 335HW, and 350HW are available as specified herein.

B. General Purpose Laminate: "Wilsonart Type 107HW."

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGS.
3. Color, Pattern, and Finish: [_________________________].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select from one of the following options.
C. Vertical Surface Laminate: “Wilsonart Type 335HW.”

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grades VGS and VGP.
3. Color, Pattern, and Finish: [________________________].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

D. Postforming Laminate: “Wilsonart Type 350HW.”

1. Sheet Thickness: 0.039 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade HGP.
3. Color, Pattern, and Finish: [________________________].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

2.13 CABINET LINERS

A. Product: “Wilsonart® Cabinet Liner Sheets.”

EDITING NOTE: Cabinet Liner Types 101, 182, and 184 are available as specified herein.

B. Cabinet Liner Laminate: “Wilsonart Type 101.”

1. Sheet Thickness: 0.020 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade CLS.
3. Color, Pattern, and Finish: [________________________].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

C. Cabinet Liner Laminate: “Wilsonart Type 182.”

1. Sheet Thickness: 0.020 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade CLS.
3. Color, Pattern, and Finish: [______________________________].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

### D. Cabinet Liner Laminate: “Wilsonart Type 184.”

1. Sheet Thickness: 0.024 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade CLS.
3. Color, Pattern, and Finish: [______________________________].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

### 2.14 PHENOLIC BACKER SHEETS


**EDITING NOTE:** Several types, thicknesses, and weights are available for non-fire-rated backer sheets. Refer to the Phenolic Backer Sheet Technical Data Sheet on Wilsonart website to review complete list of choices, including the NEMA LD 3 Grade designation.

1. Sheet Thickness: [_______] inch nominal.
3. Color, Pattern, and Finish: [______________________________].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

#### B. Fire-Rated Backer Sheet: “Wilsonart Type 264-FR.” Use in conjunction with “Wilsonart Type 604 Fire-Rated Laminate.” Class A rated according to NFPA 101.

1. Sheet Thickness: 0.030 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade BKV.
C. Fire-Rated Backer Sheet: “Wilsonart Type 266-FR.” Use in conjunction with [“Wilsonart Type 605 Fire-Rated Laminate”] [“Wilsonart Type 607 Fire-Rated Laminate”]. Class A rated according to NFPA 101.

1. Sheet Thickness: 0.050 inch nominal.
2. Laminate Conformance Standard: NEMA LD 3, Grade BKH.

2.15 DECORATIVE EDGES AND EDGEBANDS

A. Decorative Edge Products: “Wilsonart® Decorative Edges.”

| 1. Beveled Edge, [FE Profile.] [SE Profile.] |
| 2. Cascade Edge, [FE Profile.] [SE Profile.] |
| 3. Crescent Edge, [FE Profile.] [SE Profile.] |

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: [______________________].

**EDITING NOTE:** Select from the following edge designs.

5. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
7. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

B. Edgeband Products: “Wilsonart® Edgeband.”

| 1. Composition: ABS/PVC extruded fabrication. |
| 2. Width: [15/16 inch] [1-5/16 inch]. |
| 3. Thickness: Refer to Tech Data Sheet. |
| 4. Color, Pattern, and Finish: [______________________]. |

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

5. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
7. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.16 ACCESSORY MATERIALS

**EDITING NOTE:** Following contact adhesives are UL GREENGUARD Gold Certified, quality for LEED points, and comply with referenced SCAQMD and OTC regulations. For the complete line of Wilsonart® Contact adhesives, refer to the Adhesives product link on the Wilsonart website.

A. Contact Adhesive:

| 1. Product: “Wilsonart 1730/1731 Low VOC Contact Adhesive.” |
| 2. Description: High solids, low VOC contact adhesive for non-postforming applications. |
B. Contact Adhesive, Water-Based:

2. Description: Non-flammable low VOC water-based contact adhesive for postforming applications.

EDITING NOTE: All PVA adhesives are UL GREENGUARD Gold Certified, qualify for LEED points, and comply with referenced SCAQMD and OTC regulations. Refer to the Adhesives product link on the Wilsonart website for complete list of adhesives.

C. Polyvinyl Acetate (PVA) Adhesive:


PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine surfaces for conditions that could adversely affect the performance of the decorative plastic laminate installation, including edge performance.

B. Surfaces to be adhesively bonded shall be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.

C. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

EDITING NOTE: Acceptable substrates for bonding Wilsonart Laminates are particleboard, medium density fiberboard, and plywood with one A face. Marginal substrates are steel, aluminum, fiber reinforced plastic, and plywood without A faces. Unsuitable substrates are high pressure laminate, plaster, concrete, and gypsum board.

3.02 INSTALLATION, GENERAL

A. Install materials according to referenced Specification Sections and the following conformance standards as applicable:

1. AWI AWS.
2. KCMA A161.1.

B. To avoid stress cracking, do not use square-cut inside corners. All inside corners to have a minimum 1/8 inch radius and all edges routed smooth.

C. Drill oversized holes for screws, bolts, and similar fasteners. Slightly countersink fasteners into face side of laminate-clad substrate.

D. Use carbide-tipped saw and router blades for cutting, with high tool speed and low feed speed. Keep cutting blades sharp. Use appropriate hold-downs to prevent vibration.
3.03 ADHESIVE SPRAY APPLICATIONS
A. Comply with adhesive manufacturer’s printed installation instructions.
B. Apply contact adhesive uniformly to both surfaces and with a minimum 80 percent coverage for each surface. Apply PVA adhesive to one side with a minimum 80 percent coverage.
C. Apply two coats of adhesive to porous surfaces. Provide 100 percent coverage for edges.
D. Apply uniform downward pressure (30 to 40 psi minimum) across the entire bonded surface.

3.04 ADHESIVE BRUSH APPLICATIONS
A. Comply with adhesive manufacturer’s printed installation instructions.
B. Apply contact adhesive uniformly to both surfaces with a brush or solvent-resistant medium nap roller; cover each surface 100 percent. Apply PVA adhesive to one side, for 100 percent coverage.
C. Provide two coats of adhesive on porous surfaces. Double coat edges.
D. Apply uniform downward pressure (30 to 40 psi minimum) across the entire bonded surface.

3.05 CLEANING AND PROTECTION
A. Clean decorative plastic laminate according to manufacturer’s printed care and maintenance instructions.
B. Protect installed products and finish surfaces from damage during remainder of construction period.

3.06 SCHEDULE

**OPTION:** Color, Pattern, and Finish Schedule may be inserted here if this option is chosen.

END OF SECTION 06 0620
SECTION 06 0630
DECORATIVE PLASTIC LAMINATE RESURFACING

This Section specifies “Wilsonart® RE-COVER™ Laminate produced by Wilsonart. RE-COVER is the preferred product for flatwork resurfacing on fine quality residential and contract furniture, fixtures, and casework. Architectural applications include wainscoting, valances, cornices, interior doors, and divider systems. RE-COVER is available in the full range of Wilsonart solid colors and patterns. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.

Wilsonart RE-COVER Laminate is a self-adhesive High Pressure Laminate designed for resurfacing over an existing High Pressure Decorative Laminate. Other suitable substrates include particleboard, medium density fiberboard, plywood with one A face, latex painted, stained, or varnished substrates and low pressure laminate (melamine board). RE-COVER may be installed on flat surfaces in both vertical and horizontal applications.

Wilsonart® Laminates contribute to LEED-NC and LEED-CI points in several categories and have attained UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions into indoor air during product usage.

Section Editing: Informational notes will appear as “Editing Note” text boxes throughout this Section. Bracketed bold text will require a selection to be made or information to be inserted.

PART 1 - GENERAL

1.01 SECTION INCLUDES

EDITING NOTE: Revise listing to suit Project requirements.

A. Vertical Surface Decorative Laminates.
B. High Definition Laminates.
C. Virtual Design Library Laminates.
D. Wilsonart x You Laminates.
E. Decorative Edges and Edgebands.
F. Accessory Materials.

1.02 RELATED REQUIREMENTS

EDITING NOTE: Section listings below are common references and based on the broadly accepted CSI MasterFormat® for Section numbers and titles. Revise to suit requirements for particular project.

A. Section 01 3000 - Submittals.
B. Section 06 0620 - Decorative Plastic Laminate.
C. Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.
D. Section 06 4219 - Plastic-Laminate-Clad Wood Paneling.
E. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
F. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
G. Section 12 3530.13 - Kitchen Casework.

1.03 REFERENCES

EDITING NOTE: Revise Reference Standards to suit Project requirements.

A. Reference Standards:
   1. AWI: Architectural Woodwork Institute.
   2. AWS: Architectural Woodwork Standards.
   8. LEED: Leadership in Energy and Environmental Design.
   9. NEMA LD-3: High Pressure Decorative Laminates.
   13. SCS: SCS Global Services.

1.04 SUBMITTALS

A. Submit under provisions of Section 01 3000 - Submittals.

B. Product Data: Submit the following:
   1. Product data for each specified product. Include manufacturer’s technical data sheets and published instruction instructions.
   2. Safety Data Sheets (SDS).

C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.

D. Samples: Selection and verification samples for each color, pattern, and finish required.
E. Quality Assurance Submittals:

1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.

F. Maintenance Data: Manufacturer’s published maintenance manual with closeout submittals.

1.05 REGULATORY REQUIREMENTS

A. Adhesives, Sealants, and Sealant Primers:

1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.
2. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

1.06 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications: Manufacturer producing products in an ISO 9001, ISO 14001, and OHSAS 18001 certified facility.
2. Fabricator Qualifications: Minimum of three years documented experience in fabricating decorative plastic laminates similar in scope and complexity of this Project.
3. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project. [Installer shall be the fabricator].

EDITING NOTE: Following two LEED paragraphs list potential credits according to LEED 2009 for New Construction & Major Renovations (LEED-NC) and LEED 2009 for Commercial Interiors (LEED-CI). Coordinate with designated Project LEED AP for credits applicable to Project.

B. LEED 2009 rating system potential credits for plastic laminate:

1. [LEED-NC] [LEED-CI] MR Credit 4 - Recycled Content.
2. [LEED-NC] [LEED-CI] MR Credit 5 - Regional Materials.
3. [LEED-NC] [LEED-CI] MR Credit 6 - Rapidly Renewable Content.
4. [LEED-NC] [LEED-CI] MR Credit 7 - Certified Wood.
5. [LEED-NC] [LEED-CI] IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
6. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

C. LEED 2009 rating system potential credits for Wilsonart® Adhesives:

1. [LEED-NC] [LEED-CI] IEQ Credit 3.2 - Construction Indoor Air Quality Management Plan - Before Occupancy.
3. [LEED-NC] [LEED-CI] IEQ Credit 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products.
4. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

D. Mock-Up:

**EDITING NOTE:** Select mock-up size option. Delete entire paragraph if mock-up is not a Project requirement.

1. Install at Project site using acceptable products and manufacturer approved installation methods. Obtain Architect's acceptance for color, pattern, finish, fabrication, and installation standards.
2. Mock-Up Size: ________ by ________.
4. Mock-Up Location: [Indicated on Drawings] [As directed by Architect].
5. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
6. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Storage and Protection: Store plastic laminate materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store plastic laminate sheet materials flat on pallets or similar rack-type storage to preclude damage; adhesive side facing down.

B. Disposal of Waste Materials: Dispose of waste cleaner, empty containers, and cleaner-soaked rags according to governing regulations and authorities having jurisdiction. Do not permit waste materials at any time to enter sewers or any body of water, or contact ground surfaces.

1.08 PROJECT CONDITIONS

A. Environmental Requirements: Ensure appropriate acclimatization between plastic laminate and substrate prior to fabrication. Condition plastic laminate and substrate surfaces in the same environment for 48 hours prior to fabrication. Condition at approximately 75 deg F (24 deg C) and 50 percent relative humidity.

1. Do not apply plastic laminate if the laminate surface temperature or application substrate temperature is below 50 deg F (10 deg C).

B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.
PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Basis of Design: Wilsonart.

EDITING NOTE: Refer to the Laminate Design Detail Page on the Wilsonart website for complete information on laminate properties, including applicable sustainable design conformance standards, compliance with additional standards, physical performance properties, and available sheet sizes.

2.02 LAMINATE PROPERTIES

A. Laminate Composition: Decorative surface papers impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. Sheets then bonded together under pressures greater than 1,000 lbs. per sq. in. and high temperatures approaching 300 deg F (149 deg C). Finished sheets trimmed and backsanded to facilitate bonding to substrate.

B. Sustainable Design Conformance Standards:

1. UL 2818 GREENGUARD Gold Certified.
2. SCS Certified Indoor Air Quality Advantage™ Gold Certified.
3. SCS Chain of Custody Certified for FSC® Mix, FSC Controlled Wood.
4. SCS Recycled Content Certified.

2.03 VERTICAL SURFACE LAMINATES

A. Product: “Wilsonart® RE-COVER™ Laminate Type 735.”

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGS.
4. Applications: Vertical surfaces only. [For radiused applications, a minimum radius of 7 inches is required.]
6. Color, Pattern, and Finish: [______________________].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
9. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
2.04 VIRTUAL DESIGN LIBRARY (VDL) LAMINATES

EDITING NOTE: Reach beyond the wallboard with Wilsonart’s Virtual Design Library. From photorealistic imagery to abstract and artistic graphics, our expanded design library offers a growing selection of exclusive laminate patterns to fit your needs. This ever-growing online collection offers hundreds of additional designs.


EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.


C. Vertical Surface Type: [“Wilsonart Type 762”] [“Wilsonart Type 767”].

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
6. Color, Pattern, and Finish: [__________________________].

EDITING NOTE: If color, pattern, and finish not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
9. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

2.05 WILSONART x YOU (WxY) LAMINATES

EDITING NOTE: “Wilsonart x You” creates a unique sheet of laminate from your digital artwork. Available in a range of sizes and product types, this process enables designers to create a custom laminate with no minimum order. For file formats and other specifications, visit us online.

A. Product: “Wilsonart® x You Laminate.”

EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.


C. Vertical Surface Type: [“Wilsonart Type 764”].

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
6. Color, Pattern, and Finish: [__________________________].

**EDITING NOTE:** If color, pattern, and finish not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
9. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

### 2.06 HORIZONTAL HIGH DEFINITION LAMINATES

A. **Product:** "Wilsonart® RE-COVER™ HD® High Definition® Laminate, Type 776."

**EDITING NOTE:** All High Definition laminates with premium finishes are manufactured with AEON™ Enhanced Performance Technology.

B. **Enhanced Laminate Performance:** Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion.

C. **Sheet Thickness:** 0.043 inch nominal.

D. **Sheet Width:** 48 inches.

D. **Laminate Conformance Standard:** NEMA LD 3, Grade HGL.

**EDITING NOTE:** Wilsonart RE-COVER Laminate is NOT recommended for kitchen countertops adjacent to ranges or surface cooktops where temperatures may exceed 150 deg F (66 deg C). Suitable installations are kitchen islands, bath vanities, and utility/work rooms.

E. **Applications:** Horizontal postformed surfaces.

F. **Edging:** Self-edged.

G. **Finish:** **[Mirage -35] [Facet -45] [Glaze -55].**

H. **Color and Pattern:** [__________________________].

**EDITING NOTE:** If color and pattern are not specified above, delete and select one of the following options.

I. **Color and Pattern:** Specified in SCHEDULE Article of this Section.

J. **Color and Pattern:** Indicated on Drawings.

K. **Color and Pattern:** Selected from manufacturer’s full range of available selections.
2.07 ACCESSORY MATERIALS

A. Substrate Repair Materials: Following products are acceptable for repairing damaged high pressure decorative laminate or wood substrates:

2. Elmer’s® Carpenter’s® Wood Filler.
3. Bondo® All-Purpose Putty.

B. Substrate Cleaning Materials: Following products are acceptable; do not use a cleaner that will leave an oily residue and do not use to thin adhesive products:

1. Wilsonart® 110 Adhesive Solvent.
2. Wilsonart® 121 Adhesive Cleaner.
3. Wilsonart® 130 Low VOC Adhesive Solvent.
4. Wilsonart® 131 Adhesive Cleaner. OTC compliant.
5. Wilsonart® 131A Adhesive Cleaner Aerosol. OTC compliant.
6. Windex® with ammonia.
7. Non-proprietary acetone, isopropyl alcohol, or denatured alcohol cleaning material.


PART 3 - EXECUTION

3.01 EXAMINATION

EDITING NOTE: Acceptable substrates for bonding Wilsonart Laminates are particleboard, medium density fiberboard, plywood with one A face, previously bonded High Pressure Decorative Laminate, latex painted, stained, or varnished substrates and low pressure laminate (melamine board). Unsuitable substrates are plaster, concrete, gypsum board, polypropylene, polyethylene, polystyrene, and powder-coated surfaces.

A. Examine surfaces for conditions that could adversely affect the performance of the decorative plastic laminate installation, including edge performance.

B. Surfaces to be adhesively bonded shall be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.

C. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

3.02 PREPARATION

A. Substrate Repairs: Restore damaged substrates with specified repair materials. Sand and clean all repaired areas prior to applying resurfacing laminate.

1. If bonding to a painted, stained, or varnished wood or wood veneer substrate, sand surface smooth with #80 or #100 grit sandpaper. Remove all dust with a damp cloth. Allow to thoroughly dry.
2. If bonding a flat self-edge to an exposed substrate edge, the bonding surface will require a skim coat of the specified substrate material.

B. Substrate Cleaning: Substrates to receive resurfacing laminate must be clean and free of residue. Use one of the specified cleaning materials and allow proper dry time.

3.02 INSTALLATION, GENERAL

A. Install materials according to referenced Specification Sections and the following conformance standards as applicable:

1. AWI AWS.
2. KCMA A161.1.

B. To avoid stress cracking, do not use square-cut inside corners. All inside corners to have a minimum 1/8 inch radius and all edges routed smooth.

C. Drill oversized holes for screws, bolts, and similar fasteners. Slightly countersink fasteners into face side of laminate-clad substrate.

D. Use carbide-tipped saw and router blades for cutting, with high tool speed and low feed speed. Keep cutting blades sharp. Use appropriate hold-downs to prevent vibration. Blades must cut into non-decorative side of laminate (adhesive side).

3.03 RESURFACING LAMINATE INSTALLATION

A. Comply with resurfacing laminate manufacturer’s printed installation instructions.

B. Prior to installation, and before removing peel sheet that covers laminate adhesive, dry fit laminate to substrate. After peel sheet is removed, apply uniform bonding pressure (30 to 40 psi minimum) over the entire bonded surface, using an approved roller.

1. Resurfacing laminate is NOT repositionable. Any attempts to reposition the laminate will result in inadequate bonding.

C. Where self-edging is required, comply with resurfacing laminate manufacturer’s printed installation instructions, including recommended adhesive.

3.05 CLEANING AND PROTECTION

A. Clean decorative plastic laminate according to manufacturer’s printed care and maintenance instructions.

B. Protect installed products and finish surfaces from damage during remainder of construction period.

3.06 SCHEDULE

OPTION: Color, Pattern, and Finish Schedule may be inserted here if this option is chosen.

END OF SECTION 06 0630