Unbound™ with Diamond 10® Technology LVT
Luxury Flooring

Product Information

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<tr>
<th>Construction</th>
<th>Product Line</th>
<th>International Product Specifications</th>
<th>Overall Thickness</th>
<th>Wear Layer Thickness</th>
<th>Factory Finish</th>
<th>Installation Options</th>
<th>Maintenance Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Vinyl Tile (a.k.a. Luxury Vinyl Tile - LVT)</td>
<td>Unbound™ with Diamond 10® Technology LVT</td>
<td>ASTM F 1700, Class III, Type B embossed surface</td>
<td>0.200 in. (5.0 mm)</td>
<td>0.020 in. (0.5 mm)</td>
<td>Diamond 10® Technology – Cultured Diamond Infused Coating</td>
<td>Looselay, Modified Looselay or Full Spread Adhesives: S-315 Roll Strong®, S-288 Premium</td>
<td>No Polish – No Buff, Polish</td>
</tr>
</tbody>
</table>

Packaging

Tile Sizes

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Tiles per Carton/ Coverage</th>
<th>Shipping Weight per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 in. x 59 in. (178 mm x 1499 mm)</td>
<td>8 - 23.92 ft² (2.22 m²)</td>
<td>44.16 lbs./carton (20.4 kg)</td>
</tr>
<tr>
<td>9 in. x 59 in. (229 mm x 1499 mm)</td>
<td>6 - 22.31 ft² (2.07 m²)</td>
<td>41.9 lbs./carton (18.99 kg)</td>
</tr>
<tr>
<td>36 in. x 36 in. (914 mm x 914 mm)</td>
<td>4 - 36 ft² (3.34 m²)</td>
<td>63.4 lbs./carton (28.76 kg)</td>
</tr>
</tbody>
</table>

Testing

ASTM F 1700

- **Performance**
  - Thickness
  - Wear Layer Thickness
  - Squareness
  - Dimensional Stability
  - Chemical Resistance
  - Resistance to Heat
  - Resistance Light
  - Static Load Resistance
  - Static Load Resistance
  - Fire Test Data – Flame Spread
  - Fire Test Data – Smoke Evolution
  - Fire Test Data – Canada
  - ADA Standards for Accessible Design
  - Static Coefficient of Friction**

- **Test Method**
  - ASTM F 386
  - ASTM F 410
  - ASTM F 2055 (tile)
  - ASTM F 2055 (plank)
  - ASTM F 2199
  - ASTM F 925
  - ASTM F 1514
  - ASTM F 1515
  - ASTM F 970
  - ASTM F 970*
  - ASTM E 648
  - ASTM E 662
  - CAN/ULC S102.2
  - Chapter 3 Section 302.1
  - ASTM D2047/UL 410

- **Requirement**
  - Nominal ± 0.005 in.
  - 0.020 in. (0.5 mm) minimum for Commercial Use
  - 0.010 in. maximum
  - 0.020 in. per linear foot
  - No more than slight change in surface dulling, attack or staining
  - ΔE < 8
  - ΔE < 8
  - 0.005 in.
  - <0.005
  - 0.45 W/cm² or more Class I
  - 450 or less
  - Use dependent
  - Floor surfaces shall be stable, firm and slip-resistant
  - 0.5

- **Performance vs. Requirement**
  - Meets
  - Meets
  - Meets
  - Meets
  - Meets
  - Meets
  - 1000 psi
  - Meets
  - Meets
  - Flame Spread - 25 Smoke Developed - 230
  - Meets
  - Meets

* Testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance.

** Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.
**PRODUCT SPEC PAGE**

**Unbound™ with Diamond 10® Technology LVT**
Luxury Flooring

**Sustainability**

<table>
<thead>
<tr>
<th>Certification Attribute</th>
<th>Standard</th>
<th>3rd party Certification/Certifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Emitting Material</td>
<td>CDPH v1.1 (2017) a.k.a. CHPS 01350</td>
<td>FloorScore/SCS Certified ULE</td>
</tr>
<tr>
<td>Environmental Product Declaration (EPD)</td>
<td>ISO 14025 and ISO 14040</td>
<td></td>
</tr>
</tbody>
</table>

**Performance**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Requirements</th>
<th>Performance vs. Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDPH v1.1 (2017) a.k.a. CHPS 01350</td>
<td>TVOC Range: &lt;0.5 mg/m²</td>
<td></td>
</tr>
<tr>
<td>FloorScore/SCAQMD</td>
<td>Low Emitting Adhesives: S-288 Exceeds - 14 g/L S-315 Exceeds - 0 g/L</td>
<td></td>
</tr>
<tr>
<td>ASTM E492</td>
<td>Impact Insulation Class: IIC - 42 (6˝ concrete - no ceiling)</td>
<td></td>
</tr>
<tr>
<td>ASTM E90</td>
<td>Sound Transmission Class: STC - 52 (6˝ concrete - no ceiling)</td>
<td></td>
</tr>
<tr>
<td>ASTM E2179</td>
<td>Sound Transmission Reduction Radiated: ΔIIC - 15</td>
<td></td>
</tr>
<tr>
<td>WELL® Feature 11 and Feature 25</td>
<td>No Asbestos, free of lead and phthalates (DEHP, DBP, BBP, DINP, DNOP)</td>
<td></td>
</tr>
</tbody>
</table>

**Limited Warranty**

20-year Commercial Limited Warranty when installed in accordance with the Armstrong Flooring Guaranteed Installation Systems manual, F-5061.