Unbound™ with Diamond 10® Technology LVT
Luxury Flooring

**Product Information**

<table>
<thead>
<tr>
<th>Construction</th>
<th>Product Line</th>
<th>International Product Specifications</th>
<th>Overall Thickness</th>
<th>Factory Finish</th>
<th>Installation</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>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>

**Testing**

- **ASTM F 1700**
  - Thickness
  - Wear Layer Thickness
  - Squarness
  - 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**

**Packaging**

- **Tile Sizes**
  - 7 in. x 59 in. (178 mm x 1499 mm)
  - 9 in. x 59 in. (229 mm x 1499 mm)
  - 36 in. x 36 in. (914 mm x 914 mm)

- **Tiles per Carton/ Coverage**
  - 8 - 23.92 ft² (2.22 m²)
  - 6 - 22.31 ft² (2.07 m²)
  - 4 - 36 ft² (3.34 m²)

- **Shipping Weight per Carton**
  - 44.18 lbs./carton (20.4 kg)
  - 41.9 lbs./carton (18.99 kg)
  - 63.4 lbs./carton (28.78 kg)

**Flexible Design**

- Diamond 10® Technology – Cultured Diamond Infused Coating
- Performance Wear Layer
- Designer Printed Visual
- Double Fiberglass Reinforced Base Layer
- Non-Skid Backing for Looselay Installation

**Performance vs. 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**

* 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.
**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</td>
</tr>
<tr>
<td>Environmental Product Declaration (EPD)</td>
<td>ISO 14025 and ISO 14040</td>
<td>Certified ULE</td>
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**Performance**

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<tr>
<th>Performance</th>
<th>Standard</th>
<th>Requirements</th>
<th>Performance vs. Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOC Range</td>
<td>CDPH v1.1 (2017) a.k.a. CHPS 01350</td>
<td>≤0.5 mg/m²</td>
<td>Meets</td>
</tr>
<tr>
<td>Low Emitting Adhesives</td>
<td>FloorScore/SCAQMD</td>
<td>Less than 50 g/L</td>
<td></td>
</tr>
<tr>
<td>S-288</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>S-315</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Acoustics</td>
<td>ASTM E492</td>
<td>Impact Insulation Class</td>
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<tr>
<td></td>
<td>ASTM E90</td>
<td>Sound Transmission Class</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASTM E2179</td>
<td>Sound Transmission Reducation Radiated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WELL® Feature 11 and Feature 25</td>
<td>No Asbestos, free of lead and phthalates (DEHP, BBP, DNP, DINP)</td>
<td></td>
</tr>
</tbody>
</table>

**Fundamental Material Safety**

- Toxic Materials Reduction
  - WELL® Feature 11 and Feature 25

**Limited Warranty**

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