ecoﬁnishes® Silencer LVT Acoustical Underlayment

advantages

- Silencer LVT™ is made with high-density polyurethane foam using rapidly renewable resources (soybean polyols and vegetable oils)
- **Suitable for floating, glue down, LVT, vinyl plank flooring,** and **engineered wood floors.**
- New revolutionary moisture barrier film for the best bond strength, durability and moisture protection up to 7 lbs. of pressure. In geographic areas where concrete subﬂoors are subject to excessive moisture, a calcium chloride moisture test is required. Vapor emission readings in excess of 7 lbs. per 1,000 square feet in 24 hrs. will require additional protection such as concrete sealant or polyethylene sheeting.
- Contains **Ultra-Fresh™**, an antimicrobial protection that resists mold and mildew
- Crushpruf™ technology resists indentation that enables your floors to perform to its fullest potential and last a lifetime
- Eliminates minor subfloor imperfections such as unlevel surface over an open span (up to 3/16” in a 10ft radius), small concrete cracks up to 1/8” wide
- Offers the industry’s best limited lifetime warranty
- Suitable for radiant heat ﬂooring systems
- This product exceeds ASTM test for compression strength required for some vinyl plank manufacturers

approved substrates

- Dry, completely cured concrete (at least 14 days old with HVAC operating)
- 3/4” interior plywood, OSB flooring, gypcrete (must be primed before glue down)
- Waterproofing and crack-isolation membranes
- Cement backer units
- Existing vinyl, wood, and laminate ﬂoors

floor preparation

- Subfloor should be clean, dry and level
- Follow the wood manufacturer’s installation instructions for any additional preparation

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**Underlayments cuts with a knife**

1. Install Silencer LVT™ with film UP.
2. Floating installations, roll out underlayment next to wall. Roll out next row in same manner butting underlayment close to first row (do not overlap). Seal the seams with a moisture resistant tape. Install LVT/vinyl plank per manufacturer’s instructions.
3. **Residential glue down installations**, same as above, then apply adhesive to the top side of the underlayment per LVT/vinyl plank manufacturer’s instructions. Double glue down is optional.

**Commercial glue down installations: underlayment must first be bonded to the subfloor with adhesive, preventing any movement on the floor. Double glue down is required.**

**Double glue installations**, use Silencer QuickLay spray adhesive or other pressure-sensitive trowel adhesives (based on the adhesive manufacturer’s requirement) using a 1/16” trowel on the subfloor. Roll out underlayment next to wall. Roll out next row in same manner butting underlayment close to first row (do not overlap). Roll with a 75 – 100 lb. roller to smooth out any air pockets and to secure a good bond to the adhesive, then apply adhesive to the top side of the underlayment per LVT/vinyl plank manufacturer’s instructions. After flooring is installed, roll with a 75 – 100 lb. to secure a good bond to the adhesive.

4. Always install flooring according to the vinyl manufacturer’s installation instructions.

**packaging**

Available in 3’ x 33.34’ (100sq. ft.) rolls

**technical data**

**100% High-Density Polyurethane foam underlayment bonded to a moisture vapor film**

- **Thickness** — .060”
- **Density** — 30 LBS
- **Weight** — 2.65 oz/sq.ft.
- **Antimicrobial Treatment** — ULTRA-FRESH™
- **Thermal Resistance** — R-Value .17
- **Compression Resistance** ASTM D3676 — 41.51 psi
- **Compression Set** ASTM D3574 — 4%
- **Flammability Rating** — Passes Federal Flammability Standards DOC-FF-1-70
- **Smoke Density** — Passes, 110 max
- **Product Emissions** — Exceeds VOC emissions requirements, environmentally friendly

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Impact Insulation Class (IIC) This method is to measure the impact sound transmission performance of a floor-ceiling assembly (sound transmission through the floor).

<table>
<thead>
<tr>
<th>IIC</th>
<th>Flooring</th>
<th>Sub-Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
<td>vinyl plank</td>
<td>6” concrete with ceiling assembly</td>
</tr>
<tr>
<td>53</td>
<td>vinyl plank</td>
<td>6” concrete with NO ceiling assembly</td>
</tr>
<tr>
<td>55</td>
<td>vinyl plank</td>
<td>8” concrete with NO ceiling assembly</td>
</tr>
<tr>
<td>52</td>
<td>vinyl plank</td>
<td>wood joist with batt insulation</td>
</tr>
<tr>
<td>55</td>
<td>vinyl plank</td>
<td>wood joist (type 5 assembly), glue down</td>
</tr>
</tbody>
</table>

Sound Transmission Class (STC) This method is to measure the air-borne sound insulating property of a partition element for effectiveness in blocking sound.

<table>
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<tr>
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<tr>
<td>68</td>
<td>vinyl plank</td>
<td>6” concrete with ceiling assembly</td>
</tr>
<tr>
<td>51</td>
<td>vinyl plank</td>
<td>6” concrete with NO ceiling assembly</td>
</tr>
<tr>
<td>55</td>
<td>vinyl plank</td>
<td>8” concrete with NO ceiling assembly</td>
</tr>
<tr>
<td>57</td>
<td>vinyl plank</td>
<td>wood joist with batt insulation</td>
</tr>
<tr>
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<td>vinyl plank</td>
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Delta IIC The db rating difference between a floor measured with an underlayment and with no underlayment

\[ \Delta \text{IIC} = 22 \] (up to a 78% db sound reduction)

MR 6 — Rapidly renewable resource
EQ 4.3 — low emitting VOC's