

## Silencer LVT underlayment specification information

### product

ecofinishes® Silencer LVT Acoustical Underlayment

### advantages

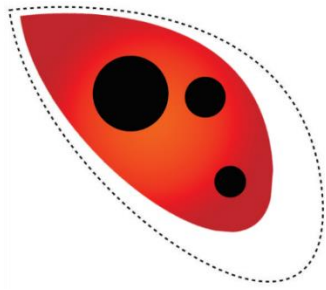
- Silencer LVT™ is made with high-density polyurethane foam using rapidly renewable resources (soybean polyols and vegetable oils)
- **Suitable for floating, glue down, LVT, vinyl plank flooring, and engineered wood floors.**
- New revolutionary moisture barrier film for the best bond strength, durability 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



## Silencer LVT underlayment specification information

### installation

#### 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

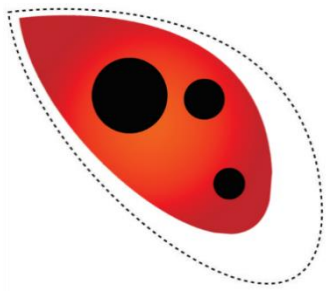
Compression Resistance ASTM D3676 — 41.51 psi

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



## Silencer LVT underlayment specification information

sound absorption properties

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

| IIC | Flooring    | Sub-Floor                               |
|-----|-------------|---|
| 73  | vinyl plank | 6" concrete with ceiling assembly       |
| 53  | vinyl plank | 6" concrete with NO ceiling assembly    |
| 55  | vinyl plank | 8" concrete with NO ceiling assembly    |
| 52  | vinyl plank | wood joist with batt insulation         |
| 55  | vinyl plank | wood joist (type 5 assembly), glue down |

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

| STC | Flooring    | Sub-Floor                               |
|-----|-------------|---|
| 68  | vinyl plank | 6" concrete with ceiling assembly       |
| 51  | vinyl plank | 6" concrete with NO ceiling assembly    |
| 55  | vinyl plank | 8" concrete with NO ceiling assembly    |
| 57  | vinyl plank | wood joist with batt insulation         |
| 58  | vinyl plank | wood joist (type 5 assembly), glue down |

**Delta IIC** *The db rating difference between a floor measured with an underlayment and with no underlayment*

$\Delta$  IIC — 22 — (up to a 78% db sound reduction)

MR 6 — Rapidly renewable resource

EQ 4.3 — low emitting VOC's

