

# D

DIVINE  
FLOORING

# Sound Solutions™ LVF

For Luxury Vinyl Flooring (Glue Down and Floating Installations)

## Acoustical Underlayment with Moisture Barrier

Made with high density polyurethane foam from rapidly renewable resources (soybean polyols and vegetable oils)

### BENEFITS

- 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.
- Reduces floor noise by providing excellent sound absorption
- Exceeds Air Quality and Flammability standards
- 100% recyclable and environmentally friendly
- Contains Ultra-Fresh® anti-microbial treatment
- Quick and easy installation
- Eliminates minor subfloor imperfections
- Adds thermal value and suitable for use with radiant heat flooring

### APPROVED SUBSTRATES

- Dry, completely cured concrete (at least 14 days old with HVAC operating)
- 3/4" interior plywood or OSB flooring
- Waterproofing and crack-isolation membranes
- Cement backer units
- Existing vinyl, wood, and laminate floors

### FLOOR PREPARATION

- Subfloor must be clean and dry before installation
- Follow the wood manufacturer's installation instructions for any additional preparation

### SIMPLE INSTALLATION

*Quick and easy installation – cuts with a knife*

- Install Divine Sound Solutions™ LVF with film up
- **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
- **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 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 LVF manufacturer's instructions. After flooring is installed, roll with a 75 - 100 lb. to secure a good bond to the adhesive.
- Always install flooring according to the vinyl manufacturer's installation instructions

### PACKAGING

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

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### 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

ULTRA-FRESH™ is a registered trademark of Thomson Research Associates Inc.

### 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

Δ IIC — 22 — (up to a 78% db sound reduction) LEED Credits

MR 6 — Rapidly renewable resource

EQ 4.3 — low emitting VOC's

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