

Durable Support • Moisture & Sound Control • 100% Recycled Materials

## Bering Mercator Acoustical Underlayment

Bering Mercator Acoustical Underlayment is perfect for glue down and floating LVP and SPC vinyl plank flooring installations. Designed for extra support, moisture protection and sound absorption for flooring. Bering's innovative moisture barrier film provides ultra tough 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. Antimicrobial protection provides resistance mold and mildew. Anti-indentation technology ensures maximum long-lasting durability and optimal performance. Corrects subtle subfloor imperfections such as unlevel surface over an open span (up to 3/16" in a 10ft radius), minor concrete cracks up to 1/8" wide) Includes a limited lifetime warranty. Approved for use with radiant heat flooring systems. This product exceeds ASTM test for compression strength required for some vinyl plank manufacturers.



### 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

**D IIC 25**

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

**LEED Credits**

MR 6 Rapidly renewable resource

EQ 4.3 low emitting VOC's

**Packaging**

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

### TECHNICAL SPECIFICATIONS

<b>Thickness</b>	0.06"
<b>Density</b>	30 lbs
<b>Weight</b>	2.65 oz/sq.ft.
<b>Antimicrobial</b>	Contains Treatment
<b>Thermal Resistance</b>	R-Value .17
<b>Compression Resistance ASTM D3676</b>	41.51 psi
<b>Compression Set ASTM D3574</b>	4%
<b>Indoor Air Quality</b>	GreenGuard Gold Certified UL 2818
<b>Flammable Rating</b>	Passes Federal Flammability Standards DOC-FF-1-70
<b>Smoke Density</b>	Passes, 110 max
<b>Product Emissions</b>	Exceeds VOC emissions requirements, environmentally friendly

### APPROVED SUBSTRATES

- Dry, completely cured concrete (at least 14 days old with HVAC operating)
- ¾" 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 manufacturer's installation instructions for any additional preparation

### QUICK AND EASY INSTALLATION

Underlayments cuts with a knife

1. Install Bering Mercator Acoustical Underlayment with film facing 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 LVP/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 LVP/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 Bering-Approved 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 LVP/vinyl plank manufacturer's instructions. After flooring has been 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.

