



LVT

UNDERLAYMENT

Milliken's premium acoustic underlayment is the perfect solution for flooring professionals seeking a quiet and comfortable floor.



- Made with **high-density polyurethane foam**
- **Reduces floor noise** by providing excellent sound absorption
- **100% recyclable** and environmentally friendly
- **Quick and easy** installation
- Suitable for glue down and loose lay LVT installations

When installed under Milliken FlexForm™ LVT products, it can add up to 10 points to the IIC!

Overall Thickness (Milliken FlexForm™)	IIC (6" concrete slab with a ceiling)
2.0mm	62*
2.5mm	68
5.0mm	69

**Internal Testing only, not third-party verified*

Milliken™

UNDERLAYMENT INSTALLATION INSTRUCTIONS

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.
- In areas where concrete subfloors are subject to excessive moisture, a calcium chloride moisture test is required. Vapor emission readings in excess of 7lbs per 1,000 square feet in 24 hours will require additional measures to be taken before installing underlayment.
- Follow the manufacturer's installation instructions for any additional preparation.

MILLIKEN UNDERLAYMENT INSTALLATION

Install Milliken Underlayment according to instructions as follows (also on Underlayment package label):

- Underlayment must first be bonded to the subfloor with **FULL COVERAGE of Milliken LVT Standard adhesive or Milliken Mosaic 98-Spray adhesive. This prevents any movement on the floor. "Double-stick" glue down procedure is required.**
- First, plan the layout of the installation space. The underlayment should be applied to floor with the long direction perpendicular to the long direction of the LVT.
- Underlayment is easily cut with a knife or scissors.
- Roll out underlayment next to wall. Roll out next row in same manner, butting underlayment close to first row (do not overlap). One to two inches extra can be left at wall that is easily trimmed with razor knife after underlayment is glued to floor.
- Install Milliken Underlayment with **film UP, polyurethane down.**

Double glue installation instructions for Milliken LVT Standard adhesive:

1. Spread adhesive with a 1/16" x 1/16" x 1/32" U-notch trowel in an area that can be installed within the working time of the adhesive. Allow adhesive to dry to the touch, creating a tacky adhesive surface.
2. Roll out underlayment, starting next to wall if possible. Roll with a 75-100 lb roller to smooth out any air pockets and to secure a good bond to the adhesive.
3. Continue with next row of underlayment, rolling out in the same manner, butting underlayment close to the first row (do not overlap). Roll with a 75-100lb roller. Continue until desired space is covered.
4. Next, apply an underlayment seam tape to the seam, sealing the underlayment.
5. Continue with installation of the LVT to the top side of the underlayment using adhesive as instructed in the Milliken LVT Installation Guide.

Double glue installation instructions for Milliken Mosaic 98-Spray adhesive:

1. Shake can well before use. Point can downward and press the side of the nozzle tip as you slowly walk back and forth to achieve full floor coverage of the adhesive. The coverage should be about 100-125 sq. ft. per can. Allow adhesive to dry to the touch, creating a tacky adhesive surface.
2. Roll out underlayment, starting next to wall if possible. Roll with a 75-100 lb roller to smooth out any air pocket and to secure a good bond to the adhesive.
3. Continue with the next roll of underlayment, rolling out in the same manner, butting the underlayment close to the first row (do not overlap). Again, roll with a 75-100 lb roller to smooth out any air pockets and to secure a good bond to the adhesive. Continue until the desired space is covered.
4. Next, apply an underlayment seam tape to the seam, sealing the underlayment.
5. Continue with installation of the LVT on the top side of the underlayment using adhesive as instructed in the Milliken LVT Installation Guide.

PROPERTY	SPECIFICATION
Materials	100% High-Density Polyurethane foam underlayment bonded to moisture vapor film
Roll Size	100 ft ² (3' W x 33.34' L)
Thickness	1.5 mm
Width	33.34"
Density	30 lbs
Weight	2.65 oz/ft ²
Rolls Per Box	4
Boxes Per Pallet	9
Antimicrobial Treatment	Yes
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
LEED Credits	MR 6: Rapidly renewable resource, EQ 4.3: Low emitting VOC's

