

Fortane MVS Ultra™

Technical Data Sheet

Moisture Vapor & Acoustical Urethane Membrane

Product Description

Fortane MVS Ultra™ is an advanced one-component urethane membrane specifically formulated to reduce the transmission of moisture vapor from the subfloor, provide a noise reduction barrier and bridges cracks up to 1/8 inch (3 mm).

FEATURES

- Protects wood flooring against moisture vapor through the subfloor
- Bridges subfloor cracks up to 1/8" (3 mm)
- Compatible with Fortane™ Wood Flooring Adhesives
- Provides excellent acoustical sound properties
- Recommended for use on green projects
- LEED® Qualified & California Proposition 65 Compliant

Typical Application

Fortane MVS Ultra™ is ideal for protecting glue-down wood flooring installations from damage due to subfloor moisture vapor transmission, reduces acoustical sound and impact transmissions. Fortane MVS Ultra™ reduces moisture to acceptable limits in one easy coat. Use Fortane MVS Ultra™ to manage moisture vapor when test results exceed the wood flooring manufacturers moisture guidelines or when concerns of future moisture are present.

Subfloor Preparation

Fortane MVS Ultra™ can be used over the following subfloors: concrete, Portland cement patch, terrazzo, ceramic tile, radiant heat flooring, and cement backer board.

Ensure that the subfloor is structurally sound, smooth, dry, properly cured, clean and free from dust, dirt, grease, oil, plaster, paint, old adhesive, wax, curing agents, sealers, cutback or other asphaltic-based residue and any other contaminants that could interfere with a good adhesive bond. For application of Fortane MVS Ultra™ over ceramic tiles, it is necessary to grind the tile surfaces and clean thoroughly with an industrial vacuum cleaner.

Before starting the installation, carefully check that the subfloor is flat. Eliminate dips and crowns that exceed 1/8" in a 10 feet (3 mm in a 3 m) radius by patching or sanding/grinding. Do not use product as a leveling agent. Where needed, use only Portland cement based patching and leveling compounds. Repair all cracks in

the subfloor greater than 1/8" (3 mm) before applying Fortane MVS Ultra™.

Concrete Subfloors: Must be cured a minimum of 28 days and pH must be between 7-10. If not, take corrective measures before proceeding. Pre-install moisture testing is not required. **Subfloor must have no pre-existing moisture conditions or failures from conditions of high alkali or hydrostatic pressure.** The subfloor must be dry to the touch with no standing water or visible dampness, and must be prepared to receive flooring in compliance with ASTM F710. **Concrete subfloors over a year old with high moisture readings are indicative of a chronic underlying moisture source problem resulting from hydrostatic pressure or other moisture related exclusions such as broken pipes, leaky plumbing, sink overflow, flooding, weather conditions or improper maintenance. Problems caused by these moisture related exclusions will not be covered by the limited warranty.**

Installation

1. Read and understand all Data Sheets and label prior to installation
2. Follow the instructions for "Subfloor Preparation" above
3. Use the recommended trowel to apply Fortane MVS Ultra™. Product will self-level to a 30-35 (0.75 - 0.9 mm) mil thickness
4. Wait for approximately 12-16 hours for the Fortane MVS Ultra™ layer to fully cure (Higher humidity and temperature will accelerate the product's cure)
5. Use Fortane One™, Fortane Zero™ or Fortane LD™ Wood Flooring Adhesives to install the flooring following the instructions on the adhesive pail label.

CLEAN UP: Using Fortane CL™ adhesive remover will remove any Fortane MVS Ultra™ smudges from surfaces as well as tools and equipment as soon as possible before the product dries. Carefully use a soft cloth and Fortane CL™ to remove Fortane MVS Ultra™ while it is still wet to not damage surfaces.

Customer Service

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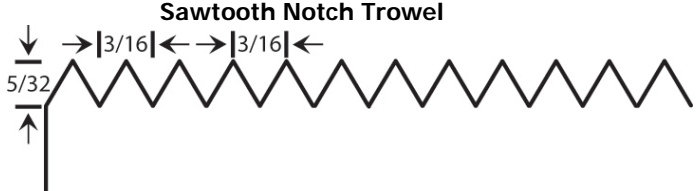
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Warranty

Royal Adhesives and Sealants offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling Customer Service at 800 268-6111 or visiting www.fortane.com.

Trowel Selection

The proper notch trowel is very important in achieving satisfactory results with Fortane MVS Ultra™. Use of an incorrect trowel will void all warranties. Use only the 3/16" x 5/32" Sawtooth trowel. This trowel will yield approximately 40-45 square feet per gallon (1300-1460 g/m²).

Technical Data	
Application Room Temperature	Between 50°F-100°F (10°C-38°C)
Full Cure Time	12-16 Hours
Maximum Subfloor Moisture	<u>NO MAXIMUM SUBFLOOR MVER CRITERIA</u>
Packaging	5 gal (18.9 L) pail = 59.5 lb (27 kg)
Acoustical Properties	IIC – 68 dB (ASTM E492-04, E989-89) STC – 67 dB (ASTM E90-04, E413-04) STC – 52 dB (ASTM E 90-04 / E413-04, NO CEILING)
Color	Green
VOC	85 g/L
Shelf Life	One year from date of manufacture; stored at 50-80°F (10-26°C).
Flash Point	>163°F (>72°C)
Trowel Selection	
 <p style="text-align: center;">Sawtooth Notch Trowel</p>	
Coverage: 40-45 sq. ft /U.S. gal (1300 – 1460 g/m ²)	



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