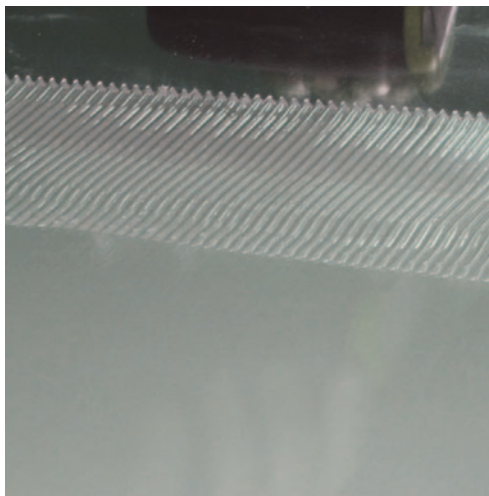


Hardwood Flooring Systems Solutions Product Information

MVP⁴[®]

Moisture Vapor Protection, Anti-fracture and Noise Reduction Membrane

- Easy Spread
- Bostik's Blockade™ Antimicrobial Protection
- Prevents damages caused by subfloor moisture
- Below*, On and Above Grade Installations
- Exceeds IRC requirements for vapor retarder
- Low VOC
- Noise Reduction



MVP⁴® Moisture Vapor Protection is a one-part, trowel applied, elastomeric, moisture cure urethane membrane designed to be used beneath glue-down installations of engineered, solid and bamboo hardwood flooring with Bostik's Best[®], BST[™], EFA+[™], or TKO[®] adhesives. MVP⁴ is designed to reduce moisture vapor transmission from the subfloor, create a noise reduction barrier over the substrate, and establish an anti-fracture membrane that can bridge cracks that can occur in the substrate prior to or after installation (up to 1/8").

MVP⁴ may be used over all substrates common to hardwood flooring installations including: concrete, plywood, particle or chip board (underlayment grade), well bonded vinyl, ceramic tile, cement backer board, cement patch/underlayments, radiant heat flooring, gypsum concrete and terrazzo.

MVP⁴ contains Bostik's BLOCKADE[™] antimicrobial protection which inhibits the growth of bacteria, mold or mildew on the

surface of the dried membrane; the dried membrane resists stains caused by mold.

MVP⁴ independently tested in a controlled laboratory environment to measure the IIC (Impact Insulation Class) according to ASTM E492-04 and E989-89 and STC (Sound Transmission Class) according to ASTM E90-04 and E413-04 standards installed with 9/16" thick engineered wood flooring over a 6" concrete sub floor with a 5/8" suspended gypsum ceiling, achieved an IIC = 62 and a STC = 61, with no suspended ceiling, IIC = 49 and STC = 52.

Directions for Use

Read and understand data sheet completely before beginning installation. Follow industry standards and wood flooring manufacturer's recommendations for design, layout and application of wood flooring materials; including test methods, jobsite temperature and relative humidity. If jobsite conditions are outside of wood flooring manufacturer's recommendations, take necessary corrective actions.

Whether the moisture content of substrate exceeds or is within the wood flooring manufacturer's recommendations, to address current or possible future subfloor moisture, cracks (up to 1/8"), or noise, apply a layer of MVP⁴ according to directions and allow material to cure for a minimum of 12 hours.

Surface Preparation

Surfaces must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers and all other surface contaminants. Completely remove cutback adhesive residue by diamond grinding, shotblasting or scarifying. When diamond grinding, shotblasting or scarifying, surface texture must be similar to light broom finished concrete. Maximum acceptable floor variation is 3/16" in 10 feet. Surface areas requiring patching or leveling must be done using cement based patches, such as Bostik[™] Fast Patch 102[™] or SL-150[™] Self Leveling Underlayment prior to the application of MVP⁴.

PLEASE NOTE: Concrete substrates should NOT be smooth and reflective; it should have a profile or broom-type surface texture for the adhesive/membrane to properly penetrate and bond.

Visit us on the Web at:
www.bostik-us.com



Storage/Shelf Life

Store at temperatures between 50°F and 100°F. Shelf life is one year from date of manufacturing in closed, original packaging.

Re-Seal Partially Used

Container: With pail upright place a sheet of plastic (e.g., trash bag) over the top of the pail. Secure lid tightly over the plastic on top of pail. Carefully turn pail upside down. Plastic will help prevent the material from bonding the lid closed.

Re-Open Partially Used

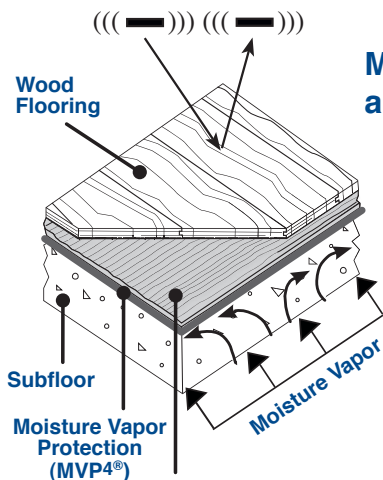
Container: Carefully turn pail right side up. Remove lid. Carefully cut and discard cured material and plastic from top of pail. Any uncured material may be used.



Packaging

MVP⁴ is available in
5 gallon pails, 36 pails/pallet
2 gallon pails, 96 pails/pallet

Reduces Sound Transmission



Any Bostik
Wood Flooring
Urethane Adhesive



Installation

Apply MVP⁴ using the notched side of a 3/16" x 5/32" deep trowel to achieve a flat, uniformly thick 60-mil membrane (thickness of a credit card). MVP⁴ is designed to level and heal with little need for flat-troweling to achieve a continuous membrane.

Cure Time

Allow MVP⁴ to cure, 12-16 hours prior to installation of flooring. Once cured, any pinholes or bubbles may be filled with a Bostik urethane adhesive while wood flooring is installed.

Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure. Keep off membrane until material cures; usually 12-16 hours. To help protect the cured membrane from scuffing, tears, scratches, dust, dirt, or other jobsite contamination, install hardwood flooring as soon as possible.

Limitations

- Installation/jobsite must be within wood flooring manufacturer's recommended relative humidity and temperature range.
- Due to inherent limitations with gypsum based materials in wet/moist environments, gypsum based patches/ underlayments should not be used with MVP⁴ to treat moisture related issues. MVP⁴ may be used with gypsum based patches/underlayments in dry, above grade installations with minimum compressive strengths > 2,000 psi for engineered hardwood installation, or minimum compressive strength > 2,500 psi for solid hardwood installations, when MVP⁴ only used as a noise reduction barrier and anti-fracture membrane.
- Do not use over concrete slabs treated with sealers or curing compounds.
- Completely remove cutback adhesive residue (and other surface contaminants) by diamond grinding, shotblasting, or scarifying.
- Do not use MVP⁴ as an adhesive.
- Do not use in areas subject to hydrostatic head.
- Do not use MVP⁴ below VCT/vinyl or other flooring materials.
- Do not use over VCT/vinyl when installing solid hardwood or bamboo flooring.

Clean-up

Immediately clean all tools and equipment with Bostik's Ultimate Adhesive Remover™ or mineral spirits before material cures.

Caution: Once cured this material can only be mechanically removed; which may damage some surfaces.

WARNING: Combustible liquid and vapor. Harmful if swallowed. Inhaling vapors harmful. May cause eye, skin and respiratory tract irritation.

PRECAUTIONS: Keep away from Sparks and Flames. Avoid contact with mouth, eyes, skin and clothing. Wear chemical resistant gloves and clothing during handling. Avoid prolonged exposure to vapors. Use with adequate ventilation. Prevent build up of vapors by opening all windows and doors to achieve cross-ventilation. Wash thoroughly after handling. Store container in a clean, dry area. Follow all warnings and precautions with empty container as residues may remain. Do not reuse container without professional cleaning.

FIRST AID: If overcome by vapors, remove to fresh air and call a physician. If necessary give artificial respiration or oxygen. In case of contact, immediately flush eyes and skin with water and call a physician. If ingested, DO NOT INDUCE VOMITING. Immediately contact a hospital or poison control center. Remove contaminated clothing to prevent further exposure. FOR INDUSTRIAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.

LIMITED WARRANTY

The Limited Warranty for this product can be obtained at www.bostik-us.com/resource-center/warranties or by calling 1-800-726-7845 (choose option 2, then option 2 again). TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

This document supersedes all previously published literature.

H35-10-21-11