

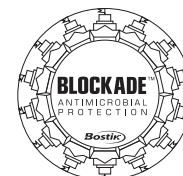


## PRODUCT INFORMATION



# MVP<sup>4</sup>®

## Moisture Vapor Protection



### PRODUCT DESCRIPTION

MVP<sup>4</sup>® Moisture Vapor Protection is a one-part, trowel applied, elastomeric, moisture cure urethane membrane designed to be used beneath glue-down installations of engineered and solid and bamboo hardwood flooring with Bostik's Best<sup>®</sup>, BST, EFA+, or TKO adhesives. MVP<sup>4</sup> is designed to:

1. Reduce moisture vapor transmission from the subfloor;
2. Create a noise reduction barrier over the substrate;
3. Establish an anti-fracture membrane that can bridge cracks that can occur in the substrate prior to or after installation (up to 1/8").

MVP<sup>4</sup> 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. MVP<sup>4</sup> may be applied to fresh "green" concrete as soon as it has achieved "initial set" (when concrete can be walked on without disturbing the surface). MVP<sup>4</sup> contains Bostik 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.

MVP<sup>4</sup> 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 MVP<sup>4</sup> 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 sandblasting, shotblasting or scarifying. When sandblasting, 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 MVP<sup>4</sup>.

### INSTALLATION

Apply MVP<sup>4</sup> using the notched side of a Bostik #9 V-Notch Trowel (3/16" x 5/32" deep) to achieve a flat, uniformly thick 30-mil membrane (thickness of a credit card). MVP<sup>4</sup> is designed to level and heal with little need for flat-troweling to achieve a continuous membrane.

### COVERAGE

40-45 ft<sup>2</sup>/gallon using a Bostik #9 V-Notch Trowel (3/16" wide x 5/32" deep). Substrate must have full membrane coverage; membrane voids may be filled or patched

during the wood flooring glue down installation with MVP<sup>4</sup> or any of the above listed Bostik moisture cure urethane wood flooring adhesives.

## CURE TIME

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 to 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. If the membrane is exposed for more than 14 days, do not install hardwood flooring until you contact Bostik's Flooring Technical Service Department.

## 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 may only be mechanically removed; which may damage some surfaces.

## 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 MVP<sup>4</sup> to treat moisture related issues. MVP<sup>4</sup> 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 MVP<sup>4</sup> 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 sandblasting, shotblasting, or scarifying.
- Do not use MVP<sup>4</sup> as an adhesive.
- Do not use in areas subject to hydrostatic head.
- Do not use MVP<sup>4</sup> below VCT/vinyl or other flooring materials.
- MVP<sup>4</sup> is not intended for use as a stand alone coating or surface treatment. MVP<sup>4</sup> is intended to be used under

glue-down wood flooring installations only.

- Do not use over VCT/vinyl when installing solid hardwood flooring.

### NOTE:

- This membrane is designed to reduce moisture vapor emissions that originate/emanate from below the membrane only.
- This Membrane does NOT reduce/affect issues originating from the sides, ends, or top of flooring (i.e. puddles, water, leaks, hydrostatic-head, etc.).
- This membrane does NOT eliminate all possible moisture related or install related issues (i.e. improper acclimation of flooring, jobsite temperature/relative humidity, etc.).
- This membrane is designed to prevent excessive variance of moisture between the top, middle, and bottom of flooring that originates from the substrate.

## 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. Storing at temperatures below 50°F may affect the self-leveling properties of the product.

**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

MVP<sup>4</sup> is available in 5 gallon and 2 gallon pails



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1-800-7/BOSTIK  
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PLANT LOCATIONS  
Temecula, CA 92590  
Conyers, GA 30207



### LIMITED WARRANTY

Bostik, Inc. warrants that the product conforms with Bostik's written specifications and is free from manufacturing defects. A PURCHASER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE PURCHASE PRICE. Purchasers may address their warranty claims to Bostik, Inc., 211 Boston St., Middleton, MA 01949, Attn: Customer Service or call Bostik at 1-800-7/BOSTIK. 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. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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