



GREENFORCE®

ADVANCED TRI-LINKING™ ADHESIVE AND MOISTURE CONTROL MEMBRANE

KEY FEATURES

- Easy clean before and after cure
- Lifetime warranty for unlimited moisture vapor protection
- Superior bond strength & green grab

DESCRIPTION

GreenForce® is a high-performance adhesive and moisture control membrane all in one. Bostik's breakthrough AXIOS® Tri-Linking™ Polymer Technology used in this formulation maintains the superior long-term durability and moisture protection properties of high-end urethane adhesives. However, it is easier to spread on and clean off of prefinished flooring before and after cure. This adhesive has zero VOCs (as calculated per SCAQMD Rule 1168) and does **NOT** contain any water. GreenForce® comes with Bostik's BLOCKADE® antimicrobial protection, which inhibits the growth of bacteria, mold, or mildew on the surface of the cured membrane. The cured membrane resists stains caused by mold.

SUPERIOR MOISTURE PROTECTION

GreenForce® has extremely low moisture-vapor permeability and is not adversely affected by moisture. As a result, costly and time-consuming concrete moisture testing is not required when the slab is properly prepared, dry to the touch, and fully cured.

ANTI-FRACTURE PERFORMANCE

GreenForce®'s elastomeric characteristics establish an anti-fracture membrane that can bridge cracks up to 1/8" (3 mm), which can occur in the substrate prior to or after installation. This superior elasticity allows the adhesive to move with the wood as it expands and contracts with changes in humidity and temperature over the life of the floor.

ULTIMATE VERSATILITY

This high-performance formulation may be used to adhere all engineered, solid, bamboo, cork, and parquet flooring. GreenForce® has no restrictions on board width or length. It may be used over all properly prepared substrates common to hardwood flooring installations including concrete, plywood, well-bonded vinyl/VCT and ceramic tile, cement backer board, gypsum underlayments (dry, above grade), cement patch/underlayments, radiant-heat flooring, properly prepared terrazzo, and recycled rubber underlayments. This adhesive can also be used to install plywood as described, as well as ceramic tile, marble, and stone inlays for light commercial and/or residential applications.



LEED® CONTRIBUTION

This 0-VOC formulation (as calculated per SCAQMD Rule 1168), may contribute toward LEED® v4 EQ Credit – Low-Emitting Materials, Interior Adhesives, and Sealants.

DIRECTIONS FOR USE

Read and understand data sheet completely before beginning installation. Follow industry standards, as well as flooring manufacturer's recommendations for acclimation, design, layout, and application of wood flooring material. If jobsite conditions are outside of flooring manufacturer's recommendations, take necessary corrective actions. Whether the moisture content of substrate exceeds or is within the flooring manufacturer's recommendations, to address current or possible future subfloor moisture and cracks (up to 1/8"), apply GreenForce® as directed.

SURFACE PREPARATION

Surfaces must be absorptive, clean, free from loose materials, oil, grease, sealers, curing compounds, waxes, silicates, laitance, and all other surface contaminants that may inhibit proper bond. Completely remove cutback adhesive residue or other surface contaminants by diamond grinding or shot blasting to open the pores of the concrete. All surfaces to be treated must have a concrete surface profile (CSP) of 1-3 (similar to a broomed finish), as defined by the International Concrete Repair Institute (ICRI), Guideline No. 03732. Maximum acceptable floor variation is 3/16" in 10 feet. Areas requiring patching or leveling must be done using



a Portland-cement-based material (e.g., Bostik Webcrete® 95, Webcrete® 98, SL-100™, SL-150™, SL-175™, SL-200™, SL-Rapid™, or UltraFinish™ Pro).

PLEASE NOTE: Concrete substrate should **NOT** be smooth and reflective; it must have a concrete surface profile of CSP 1-3 similar to a broomed finish, as defined by ICRI (Guideline No. 03732). It also must be tested in accordance with ASTM F3191 and be found porous, where a ¼" drop of water must absorb into the concrete within 1 minute.

INSTALLATION

The installation begins with a starter row secured to the subfloor; the starter row provides a stationary point to push against so flooring doesn't move during installation. Once the starter row is secured, apply adhesive/membrane to substrate using the appropriate trowel. See the chart on last page for proper trowel selection. Flooring may be installed using a "wet-lay" method of installation. For wet-lay installations, spread the adhesive and begin to install the flooring immediately. Periodically lift boards immediately after installation to ensure proper slab coverage and transfer to the back of the flooring. If a thin skin forms on the adhesive on the slab prior to installation of the flooring, it may be possible to re-trowel the adhesive and obtain proper coverage and transfer. Re-trowel 90° to the ridges, and if no sign of the original trowel marks remains, install additional flooring and check coverage and transfer. Adhesive that has cured too much prior to installation of the flooring must be mechanically removed and fresh adhesive applied.

Although it is relatively easy to remove GreenForce® adhesive from the face of prefinished hardwood even after cure, it is recommended to clean with a non-abrasive towel as you work prior to cure. After a few rows have been installed, and as you move across the room, tape the boards together using removable 3M #2080 blue tape to prevent boards from sliding and to secure close-fitting joints. Rolling is recommended for most installations. For some sensitive, factory-applied finishes such as oil-based finishes, tape and rolling may not be recommended. Test to ensure that tape removal after rolling does not harm finish. Flooring that is not flat should be weighted or rolled to ensure proper contact between the flooring and substrate.

Plywood Over Concrete: Score 4' x 4' or 2' x 8' sheets of ¾" exterior-grade plywood on the backside every 8" to 10" by using a circular saw and cutting one-half the thickness of the plywood; scoring takes the tension out of the plywood and helps to prevent possible warping or curling. Using a recommended trowel, apply

adhesive/membrane to substrate, and then set plywood into the wet adhesive/membrane. For moisture protection, ensure 100% coverage and transfer. Allow the adhesive/membrane to fully cure before nailing or using GreenForce® adhesive/membrane to install flooring. Make sure that nails do not penetrate through the GreenForce® membrane; doing so will void the moisture protection warranty.

GLUE ASSIST

GreenForce® in cartridges may be used for glue assist of mechanical fasteners on wood subfloors when suggested or required by wide-plank flooring manufacturers.

Cut the tip of the nozzle at a 45-degree angle to produce a bead of adhesive between ¼" and ⅜" in diameter. Puncture the foil seal inside nozzle. Gun adhesive onto the back of the plank in an S pattern within 1" (2.5 cm) of long edges and repeating every 6-8" (15-20 cm). Press plank firmly into place, then set mechanical fasteners per the flooring manufacturer or NWFA guidelines. Average coverage at ¼" diameter bead produces 85 linear feet per 28 oz. cartridge.

PLEASE NOTE: Glue assist is for bond only and offers no moisture vapor protection. As a result, glue assist should only be performed on subfloors that have moisture mitigation or environmental controls beneath, matching the temperature and humidity levels of the space above. Do not apply adhesives over asphalt felt papers or other loose-lay underlayments.

CLEANUP

Whereas GreenForce® bonds tenaciously to concrete and flooring, it is designed not to bond with most finishes on pre-finished flooring, making it relatively easy to remove from the finish even after cure. It is recommended to clean with a dry, non-abrasive towel as you work prior to cure. After cure, adhesive may be removed with a plastic scraper and dry, non-abrasive towel, taking care not to damage the finish. Immediately clean all tools and equipment before material cures.

Trowel Cleanup Tip: Before beginning, use duct tape or blue tape to cover areas of the trowel that will not be used to spread the adhesive. After use, simply tear off tape before material cures, and clean the remainder of the trowel with a towel.

STORAGE/SHELF LIFE

Store at temperatures between 50°F (10°C) and 100°F (38°C). Shelf life is one year from date of manufacturing in closed, original packaging.

Re-seal partially used container: Clean all adhesive residue off of the lip of the pail and the groove around the perimeter of the lid. Plastic (e.g., a trash bag) may be placed into the pail to cover the wet adhesive, especially in high-humidity environments, but do not allow the plastic to extend outside of the pail and interfere with the seal of the pail with the lid. Use a rubber mallet to fully seat the lid on the pail. Do not turn the pail over.

Re-open partially used container: Remove the lid. Peel cured material away from pail and discard cured material and plastic from the top of the pail. Any uncured material may be used.

LIMITATIONS

- Periodically check coverage of adhesive during installation; 100% substrate coverage and adhesive transfer is required to protect against damages from subfloor moisture.
- Due to limitations with solid and bamboo wood flooring (e.g., lack of dimensional stability), "below-grade" installations are limited to engineered hardwood flooring.

- On- or below-grade substrates must have appropriate vapor barrier (6 mil poly or better) properly installed below slab.
- Do not install solid wood flooring over VCT/vinyl.
- Bamboo installations should follow solid hardwood flooring installation recommendations.
- Slab temperature should be between 50°F (10°C) and 95°F (35°C) during installation.
- Do not use on wet, dusty, contaminated, glassy, smooth, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head.
- Completely remove all adhesive residue and other surface contaminants from the slab by diamond grinding, shot blasting, or scarifying.
- Do not use over perimeter-bonded flooring material.
- Use over gypsum-based/underlayments is limited to dry, “above-grade” installations where the gypsum has dried hard (not dusty/powdery), with a minimum compressive strength >2,000 psi for engineered hardwood installations, or minimum compressive strength >2,500 psi for solid hardwood installations.
- Please refer to flooring manufacturer’s recommendations and NWFAs specifications for proper acclimation, verification of moisture content of flooring with a moisture meter, and expansion relief around perimeter throughout installation.
- Do not use vinyl-backed cork flooring or foam-backed parquet.
- This membrane does **NOT** reduce/affect issues originating from the sides, ends, or top of flooring (i.e., puddles, water, leaks, wet mopping, hydrostatic head, etc.).
- This membrane does **NOT** eliminate all possible moisture-related or installation-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.

PACKAGING

Available in 4-gallon plastic pails (36 pails/pallet) and 28-ounce cartridges (12/case, 60 cases/pallet).

CAUTION

IRRITANT. MAY IRRITATE EYES, SKIN, OR RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED. Methanol may form during curing. Do not breathe fumes. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle with care. Use only in a well-ventilated area or wear a mask. Wear protective clothing including gloves. Wash thoroughly after handling. Store in a cool, dry area. Do not reuse container.

KEEP OUT OF REACH OF CHILDREN

OPEN-TIME CHART			
	Humidity		
	40%	60%	80%
60 °F (16 °C)	2.3 Hours	2.0 Hours	1.0 Hours
70 °F (21 °C)	2.0 Hours	1.0 Hours	45 Minutes
80 °F (27 °C)	1.0 Hours	45 Minutes	30 Minutes

NOTE: This chart is for reference only; actual jobsite times may vary.

CHEMICAL & PHYSICAL PROPERTIES		
Use Environments	Residential	Yes
	Offices/Light Commercial	Yes
	Heavy Commercial	Yes
	Offices	Yes
	Hospital	Yes
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	Plywood	Yes
	OSB	Yes
	Recycled Rubber Underlayment	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Ceramic Tile	Yes
	Cement Backer Board	Yes
	Gypsum Underlayments ¹	Yes
	Cement Patch/Underlayment	Yes
Flooring Types	Solid Hardwood	Yes
	Engineered Hardwood	Yes
	Bamboo	Yes
	Cork	Yes
	Parquet	Yes
	Plywood	Yes
	Ceramic Tile, Marble, Stone Inlays ²	Yes
Cured Physical Properties	Cure Time ³	
	Light foot traffic	8 to 12 hours
	Normal foot traffic	12 to 24 hours
	Water Vapor Permeability ⁴	<0.4
	Concrete Moisture Vapor Limits for subfloor moisture vapor protection:	
	ASTM 1869 Calcium Chloride Method	None, Dry to the Touch
	ASTM 2170 Relative Humidity Test	None, Dry to the Touch
Elongation	>100%	
Service Temperature	-40°F to 150°F (-40°C to 66°C)	
Sound Reduction Performance	Meets or exceeds International Building Code Chapter 12 Section 1207.3 requirements	Yes, when used with suggested trowel and coverage.
Application Properties	Application Temperature	50°F to 100°F (10°C to 38°C)
	Ease of Troweling	Excellent
	Odor	Mild
	Open/Working Time ⁵	60 min
	Color	Beige
	Density (lbs/gallon)	14.25
	Percentage of Water ⁶	0%
	Percentage of Adhesive Coverage Required:	For Moisture Protection
Engineered	95%	>80%
Solid	95%	>95%
Chemical Properties	Chemistry Type	1-Part AXIOS® Tri-Linking™ Polymer
	Adhesive Type	Moisture Cure
	VOC Compliant (calculated per SCAQMD Rule 1168)	Yes (0 g/L)
	Flash Point	>200°F (>93.3°C)
LEED® Contribution	IEQ Credit – Low-Emitting Materials, Interior Adhesives, and Sealants.	Up to 3 points ⁷

¹ Dry, above grade
² Residential or light commercial only
³ Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure. Under normal conditions, light foot traffic is acceptable after 6-8 hours; normal traffic after 12-16 hours.
⁴ Per ASTM E-96 Standard Test Methods for Water Vapor Transmission of materials. Ratings are g/m²-24 hour-mmHG.
⁵ Please refer to the Open-Time Chart.
⁶ Per ASTM E203-01, Standard Test Method for water using Volumetric Karl Fischer Titration Method. Results rounded to the nearest tenth. Test Method has error range of +/- 0.2%.
⁷ Per LEED® BD+C point rating system, taking into account all other interior adhesives and sealants used on site.

TROWEL SELECTION

In order to form a membrane that functions properly for moisture vapor protection and/or sound reduction, the right trowel needs to be selected to achieve both 100% coverage of the substrate and 100% transfer to the back of the flooring. Jobsite conditions, profile of the substrate, depth of back channeling in the flooring, and other factors affect the amount of adhesive that must be applied to achieve proper coverage and transfer. Always pull a board at the beginning of and during the installation process to confirm adequate coverage and transfer. Trowel size may need to be changed to achieve the required coverage and transfer. See trowel suggestions below.

ADHESIVE, MOISTURE MEMBRANE, & SOUND INSTALLATION METHOD

Suggested Notched Trowel (For use as an adhesive only, refer to adhesive-only installation method.)

Solid, engineered, or bamboo wood flooring up to 5/8" thick.
Coverage: 30-35 sq ft per gallon

Solid, engineered, or bamboo wood flooring >5/8" thick, or plywood.
Coverage: 20 sq ft per gallon



1/4" x 1/4" V-Notch



1/4" x 1/4" x 1/4" Square Notch



1/2" x 15/32" V-Notch



1/4" x 3/8" x 1/4" Square Notch

Trowel size is suggested to maximize coverage of adhesive. Periodically check coverage of adhesive during installation: >80% coverage and transfer to the back of the flooring is required for all engineered wood flooring; >95% coverage and transfer is required for all solid wood flooring or bamboo flooring products.

ADHESIVE-ONLY INSTALLATION METHOD

Suggested Notched Trowel (For use as an adhesive, sound, and moisture control membrane, refer to chart above.)

Engineered hardwood flooring ≤1/2" thick.
Coverage: 50 sq ft/gallon

≤1/2" Parquet, or cork underlayment.
Coverage: 80 sq ft/gallon

Engineered hardwood flooring >1/2" thick, solid wood or bamboo flooring ≤1/2" thick, and parquet ≤3/4" thick.
Coverage: 40 sq ft/gallon

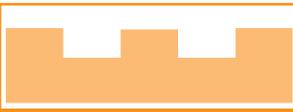
Solid wood or bamboo flooring >1/2" thick, or plywood.
Coverage: 35 sq ft/gallon



3/16" x 5/32" V-Notch



1/8" x 1/8" x 1/8" Square Notch



1/4" x 1/4" x 1/8" Square Notch



1/4" x 1/4" x 1/4" Square Notch

Trowel size is suggested to maximize coverage of adhesive. Periodically check coverage of adhesive during installation: >80% coverage and transfer to the back of the flooring is required for all engineered wood flooring; >95% coverage and transfer is required for all solid wood flooring or bamboo flooring products.

FIRST AID TREATMENT

Contains quartz silica inextricably bound in a polymer matrix. clothes, remove clothing. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

CHEMICAL EMERGENCY: 800-424-9300 (USA),
703-527-3887 (International)

MEDICAL EMERGENCY: 866-767-5089

LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us/ or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. 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. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM

EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. 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.

BOSTIK HOTLINE

Smart help
1-800-726-7845

Bostik, Inc.

11320 W. Watertown Plank Road
Wauwatosa, WI 53226

www.bostik.com/us/





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Fax: 414.774.8775
Inquiry: inquiry@bostik-us.com
Website: <http://www.bostik.com/us>

This product guide specification is based on the Construction Specifications Institute (CSI) *Project Delivery Guide*, *Construction Specifications Practice Guide*, *MasterFormat®*, *SectionFormat™*, and *PageFormat™*. This product guide specification is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to master guide specifications and project specifications. Text requiring decisions are indicated by brackets []; delete unused text in the final copy of the specification.

Revise the section number and title to suit project requirements, specification practices and section content. Refer to CSI *MasterFormat®* for other section numbers and titles.

SECTION 09 64 13

WOOD FLOORING INSTALLATION PRODUCTS

PART 1 - GENERAL

1.1 SUMMARY

Specifier Note: Retain bracketed options as required for the project.

- A. Section Includes: Adhesive[, vapor retarder] [and,] [sound reduction membrane] for use with wood flooring.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's technical product data including manufacturer's installation instructions.
- B. Special Manufacturer Warranty: Copy of specified warranty.

1.3 QUALITY ASSURANCE

- A. Preinstallation Meeting: Conduct preinstallation meeting prior to commencing work to verify project requirements, substrate conditions and coordination with other building products, and to review manufacturer's installation instructions and manufacturer's warranty requirements.
 - 1. Representatives of the owner, architect, contractor, tile installer, and any other parties who are involved in the scope of this installation shall attend the meeting.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use.
- B. Store materials on elevated platforms, under cover, and in a dry location.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not install materials until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in referenced standards and manufacturer's written instructions.

1.6 WARRANTY

- A. Special Manufacturer Warranties: Furnish manufacturer's standard warranty executed by authorized company official.
 - 1. System Installation Warranty: Materials will be free from manufacturing defects from the time of purchase and conform to manufacturer's written specifications under normal usage for a period of the lifetime of the installation when applied according to manufacturer's written installation instructions and industry standard guidelines. If the nature of the defects of the products specified by this Section warrants, the warranty will include materials and labor for the replacement of the installation. Refer to manufacturer's warranty for specific details.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Manufacturer: Bostik, Inc., 11320 West Watertown Plank Road, Wauwatosa, WI 53226, Telephone: 800.726.7845, Fax: 414.774.8775, Inquiry: inquiry@bostik-us.com, Website: www.bostik.com/us.

Specifier Note: Retain bracketed options as required for product(s) selected below.

2.2 [ADHESIVE] [VAPOR RETARDER] [SOUND REDUCTION] [ANTI-FRACTURE] MEMBRANE

Specifier Note: Retain paragraph below for proprietary method specification. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural and regulatory) and assignment of responsibility for determining "or equal" products.

Specifier Note: Retain one of the paragraphs below.

- A. Adhesive, Moisture Control, Sound Reduction, Anti-Fracture Membrane Product: Ultra-Set® SingleStep2™.
 - 1. Description: Adhesive, moisture control, sound control, and anti-fracture membrane combined in one product but not containing water, which includes the following:
 - a. Bostik's Blockade® antimicrobial protection.
 - b. Bostik's AXIOS Tri-Linking™ Polymer Technology.
 - c. Bostik's Thickness Control Spacer Technology.

- d. Recycled content.
 - 2. VOC Content: 0 g/L as calculated by SCAQMD Rule 1168.
 - 3. Physical Properties:
 - a. Unlimited moisture vapor protection.
 - b. Sound reduction up to 70 IIC and 21 Delta IIC.
- B. Adhesive, Moisture Control, Sound Reduction, and Anti-Fracture Membrane Product: Vapor-Lock™.
 - 1. Description: Adhesive, moisture control, sound control, and anti-fracture membrane combined in one product but not containing water, which includes the following:
 - a. Bostik's Blockade® antimicrobial protection.
 - b. Bostik's Thickness Control Spacer Technology.
 - c. Recycled content.
 - 2. VOC Content: 0 g/L as calculated by SCAQMD Rule 1168.
 - 3. Physical Properties:
 - a. Moisture vapor protection up to 12 lbs. per 1,000 square feet per 24 hours and 85 percent relative humidity.
 - b. Sound reduction up to 69 IIC and 21 Delta IIC.
- C. Adhesive, Moisture Control, and Anti-Fracture Membrane Product Product: GreenForce™.
 - 1. Description: Adhesive and moisture control membrane combined in one product but not containing water, which includes the following:
 - a. Bostik's Blockade® antimicrobial protection.
 - b. Bostik's AXIOS Tri-Linking™ Polymer Technology.
 - c. Recycled content.
 - 2. VOC Content: 0 g/L as calculated by SCAQMD Rule 1168.
 - 3. Physical Properties:
 - a. Unlimited moisture vapor protection.
- D. Adhesive, Moisture Control, and Anti-Fracture Membrane Product: Bostik's Best®.
 - 1. Description: Urethane adhesive and moisture control combined in one product, but not containing water.
 - a. Bostik's Blockade® antimicrobial protection.
 - 2. VOC Content: 0 g/L as calculated by SCAQMD Rule 1168.
 - 3. Physical Properties:
 - a. Moisture vapor protection up to 12 lbs. per 1,000 square feet per 24 hours and 82 percent relative humidity.
- E. Adhesive, Moisture Control, and Anti-Fracture Membrane Product: EFA+™.

1. Description: Urethane adhesive and moisture control combined in one product, but not containing water.
2. VOC Content: Low as calculated by EPA Method 24.
3. Physical Properties:

- a. Moisture vapor protection up to 6 lbs. per 1,000 square feet per 24 hours and 80 percent relative humidity.

F. Moisture Control, Sound Reduction, and Anti-Fracture Membrane Product: MVP4.

1. Description: Urethane membrane for use beneath glue-down installations, but not containing water.
2. VOC Content: Low as calculated by EPA Method 24.
3. Physical Properties:

- a. Unlimited moisture vapor protection.
- b. Sound reduction up to 62 IIC when used with Bostik's Best®.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where materials will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions, including product technical bulletins and product package instructions.
- B. Substrates shall be clean, sound, dry, and free of contaminants that will act as a bond breaker.
- C. Mechanically abrade the substrate to comply with IRC CSP 1-3.

3.3 INSTALLATION

- A. Comply with manufacturer's written instructions, including product technical bulletins and product package instructions.
- B. Procedure:
 1. Apply material to substrate using appropriate trowel, and to achieve thickness recommended by manufacturer.
 2. Install using "Wet-Lay" or "Walk-on-Work" method.
 3. Apply material to an area no greater than can be covered in amount of time recommended by manufacturer.

3.4 PROTECTION

- A. Limit foot traffic over installation according to manufacturer's written instructions.

END OF SECTION