

Now Featuring
ULTRA-SET® SingleStep™ Wood Floor Adhesive, Moisture Protection and Sound Reduction Membrane
See inside for more details.



The Adhesive Company

A large, detailed compass rose is centered on a light-colored wood floor with a geometric pattern. The compass rose has eight points, with the cardinal directions (North, South, East, West) being larger and more prominent. The background shows the intricate grain and patterns of the wood floor.

Hardwood Installation PRODUCTS

PATCHES/UNDERLAYMENTS

MOISTURE/SOUND PROTECTION MEMBRANES

ADHESIVES

TROWELS/TOOLS

CLEANERS

A**about Bostik, Inc.**



For more than a century, Bostik has stood for high quality adhesives, sealants and lubricants. Founded in 1889 as the Boston Blacking Company, Bostik has evolved to become one of the world's largest producers of adhesives and sealants. Today, Bostik is recognized for its leadership in the development and manufacturing of advanced adhesive systems serving industries around the globe.

Bostik is proud of its reputation for developing innovative, technological solutions for residential and commercial installations. In the mid 1980s we pioneered the world's first moisture-cured urethane adhesive for hardwood flooring. Today, our line of moisture-cure urethane adhesives is the one most specified by architects and most preferred by contractors for all types of wood installations.

Bostik® Hardwood Products is a comprehensive line of patches/underlayments, moisture vapor & sound protection, adhesives, tools, cleaners and specialty products. We have the expertise to help you achieve the highest quality hardwood installations — from solids to engineered; above-, on-, or below-grade.



The Adhesive Company

When it comes to hardwood installation solutions, the best products come from the first name in the industry.



American Hardwood Flooring (Delano, MN)
NWFA Floor of the Year Award 2009
Best Kitchen/Dining Room (Hand-Cut)

Installed with Bostik's Best Moisture Cure Urethane
Wood Flooring Adhesive

T able of Contents



Each product displaying Bostik's Blockade™ antimicrobial protection logo contains an agent which inhibits the growth of bacteria, mold, or mildew on the surface of the dried adhesive/membrane; the dried adhesive/membrane resists stains caused by mold. To obtain specific test information by product, please contact Bostik's Technical Service Department at 1-800-7BOSTIK.



OUR GREEN MISSION

As a global leader in adhesives, coatings and sealant technologies, Bostik continuously strives to commercialize products that minimize environmental impact and promote the health and well being of our customers. Bostik shall demonstrate these objectives by achieving compliance with the most rigorous standards set forth by industry-recognized authorities. All the products featured in this catalog are LEED-compliant.

To learn more about our **GREEN MISSION** visit us at www.greenmission.bostik-us.com or to order one of our **LOW VOC Product Portfolios** email us at contactus@bostik-us.com.



| | |
|-------------------|--------------------|
| About Bostik | Inside Front Cover |
| Table of Contents | 1 |

SURFACE PREPARATION

| | |
|--|---|
| Bostik SL-150 Self-Leveling Underlayment | 3 |
| New! Bostik ULTRAFINISH™ | 3 |
| Bostik Fast Patch 102 | 3 |
| Universal Primer | 3 |

MOISTURE VAPOR PROTECTION SOUND CONTROL UNDERLAYMENT

| | |
|--|---|
| MVP® Moisture Vapor Protection | 4 |
| EMC Epoxy Moisture Coating | 5 |
| Cork Sound Control Underlayment | 5 |
| New! Bostik's ULTRA-SET® SingleStep™ Wood Flooring Adhesive | 6 |

URETHANE ADHESIVES

| | |
|--|----|
| New! Bostik's ULTRA-SET® SingleStep™ Wood Flooring Adhesive | 6 |
| Bostik's Best™ Wood Flooring Adhesive | 7 |
| TKO® Urethane Wood Flooring Adhesive | 9 |
| BST™ Urethane Wood Flooring Adhesive | 10 |
| EFA+™ Elastomeric Wood Flooring Adhesive | 10 |

LATEX ADHESIVES

| | |
|---|----|
| New! HPL (High Performance Latex) Adhesive | 11 |
|---|----|

CARTRIDGE ADHESIVES

| | |
|----------------|----|
| Bostik's Best™ | 11 |
|----------------|----|

CLEANERS & TOOLS

| | |
|---------------------------|----|
| Ultimate Adhesive Remover | 12 |
| Bostik Trowels | 12 |

| | |
|--|---------|
| NWFA Floor of the Year Awards | 14 - 15 |
| Bostik Hardwood Products — A Complete System | 16 |
| Moisture Warranty | IBC |



ON THE COVER

Majestic Wood Floors, Inc.
NWFA Floor of the Year Award Winner 2009
Best Extreme Makeover

Installed with Bostik's Best Moisture Cure Urethane Wood Flooring Adhesive

Photo courtesy of Bob Humphreys, Majestic Wood Floors Inc.



NWFA 2009 Floor of the Year Award Winner
Best Restoration

Installed using Bostik's Best Moisture Cure Urethane Wood Flooring Adhesive

Photo supplied by Universal Floors, Washington, DC

TEMPERATURE/RELATIVE HUMIDITY CHART

| TEMP | | HUMIDITY | | | | |
|------|------|-------------|-------------|-------------|------------|------------|
| | | 40% | 50% | 60% | 70% | 80% |
| 60°F | Tack | 120 Minutes | 110 Minutes | 100 Minutes | 90 Minutes | 80 Minutes |
| | Open | 3.5 Hours | 3.5 Hours | 3.5 Hours | 3 Hours | 3 Hours |
| 65°F | Tack | 110 Minutes | 100 Minutes | 90 Minutes | 80 Minutes | 70 Minutes |
| | Open | 3 Hours | 3 Hours | 3 Hours | 3 Hours | 2.5 Hours |
| 70°F | Tack | 100 Minutes | 90 Minutes | 80 Minutes | 70 Minutes | 60 Minutes |
| | Open | 3 Hours | 3 Hours | 3 Hours | 2.5 Hours | 2.5 Hours |
| 75°F | Tack | 90 Minutes | 80 Minutes | 70 Minutes | 60 Minutes | 50 Minutes |
| | Open | 3 Hours | 2.5 Hours | 2.5 Hours | 2.5 Hours | 2.5 Hours |
| 80°F | Tack | 80 Minutes | 70 Minutes | 60 Minutes | 50 Minutes | 40 Minutes |
| | Open | 3 Hours | 2.5 Hours | 2.5 Hours | 2.5 Hours | 2 Hours |

NOTE: This chart is for reference only. Actual times may vary dramatically based on job site conditions.

WHAT IS MCU?

What is a Moisture Cured Urethane (MCU)?

Moisture Cure Urethanes are liquids that, when exposed to "moisture," turn into a flexible solid.

Where Does the Moisture Come From?

Moisture is present in the air, the wood flooring, and the substrate. It takes about 1 fl. oz. of water to cure approximately 400 ft² of a moisture cure urethane.

Surface Preparation

BOSTIK® SL-150™



Bostik® SL-150™ is a high compressive strength, self-leveling, cement-based underlayment used to repair, smooth and level concrete as well as existing ceramic, terrazzo or approved plywood subfloors prior to the installation of carpet, vinyl, VCT, laminate, solid and engineered hardwood flooring, ceramic or natural stone. SL-150 is suitable for thickness from feather-edge to 1" thick; or from 1/2" to 5" thick when mixed as designed with pea gravel. Use on-, above-, or below-grade. Use SL-150 in smaller installations where it may be mixed by hand; or use an underlayment pump to quickly cover large jobs.

TYPICAL PHYSICAL PROPERTIES

| | |
|-----------------------|--------------------------|
| Heal/Wet Edge Time | 20 minutes |
| Initial Set | 1 hour 30 minutes @ 70°F |
| Final Set | 2 hours @ 70°F |
| Compressive Strengths | |
| 4 hours | 1500 psi |
| 24 hours | 3500 psi |
| 7 day | 5000 psi |
| 28 day | 5500 psi |
| VOC Compliant | Yes (0 g/L) |



PACKAGING

SL-150 is available in 50 lb. bags.

Installation Video viewable at:

www.bostik-us.com/markets/flooring/hardwood-flooring/products/default.html#SL-150

UNIVERSAL PRIMER



Designed for use with SL-150 Self Leveling Underlayment. Use over concrete, approved plywood substrates, cement backer board, ceramic tile, marble, granite and terrazzo.

PACKAGING

Available in 1 gallon containers.

BOSTIK® FAST PATCH 102™



Fast Patch 102 is a fast-setting, polymer-modified, cement-based patch. Simply mix with water to repair cracks and holes and uneven surfaces from feather-edge up to 1/2" thick in a single application. Use Fast Patch prior to the installation of carpet, wood, ceramic tile and stone floors. It can be applied over concrete, existing ceramic tile, exterior-grade plywood and well-bonded vinyl tile.

TYPICAL PHYSICAL PROPERTIES

| | |
|----------------------|---------------------|
| Pot Life | Approx. 60 minutes |
| Compressive Strength | |
| 7-day | >3,400 psi |
| 28-day | >4,900 psi |
| Cure Time | 8 to 9 hours @ 70°F |
| VOC Compliant | Yes (15 g/L) |

PACKAGING

Floor Patch 102 is available in 25 lb. (11.34 kg) bags.

New! BOSTIK® ULTRAFINISH™



Bostik UltraFinish™ is a fast-setting, latex-fortified, Portland cement-based patch for interior use prior to the installation of hardwood, ceramic, carpet, vinyl, or rubber flooring. This product may be used to skim coat or feather edge up to 1 inch deep in one application. Floor covering can be installed typically in as little as 15-20 minutes over concrete, wood, ceramic and quarry tile without the requirement of priming or the use of a liquid additive. When mixed with Bostik's Hydroment 425 Multi-Purpose Acrylic Latex Admixture instead of water, Bostik UltraFinish can be used as an embossing leveler.

TYPICAL PHYSICAL PROPERTIES

| | |
|---------------|-----------------------|
| Pot Life | Approx. 15-20 minutes |
| Final Set | Approx. 15-20 minutes |
| VOC Compliant | Yes (0 g/L) |

PACKAGING

ULTRAFINISH is available in 10 lb. (4.53 kg) bags.

Moisture Vapor & Sound Protection

SPECIALLY FORMULATED TO REDUCE
MOISTURE VAPOR TRANSMISSION



YOUR “ULTIMATE SOLUTION” MVP⁴® MOISTURE VAPOR PROTECTION



MVP⁴ Moisture Vapor Protection is a one-part, trowel applied, elastomeric, moisture-cure urethane membrane designed to:

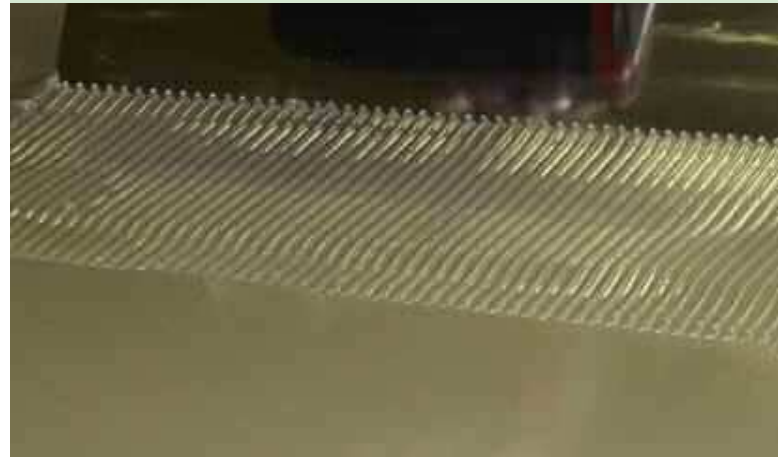
1. Reduce Moisture Vapor Transmission from the Subfloor
2. Create a Noise Reduction Barrier over the Substrate—Peace Noise Reduction
3. Establish an Anti-fracture Membrane that can Bridge Subfloor Cracks up to 1/8" Prior to or After Installation
4. Contains Bostik Blockade™ antimicrobial agent providing built-in protection to inhibit the growth of bacteria, mold and mildew on the surface of the dried membrane; the dried membrane resists stains caused by mold.

FEATURES & BENEFITS

- MVP⁴ Peace Noise Reduction achieved an IIC=62 and a STC=61
- May be utilized in both engineered and solid wood floor installations
- Extremely alkaline-resistant
- May be used below-grade for engineered wood flooring installations
- Extremely Low Odor
- Waterproof
- Freeze/Thaw Stable
- Contains NO Water
- User friendly – trowels very fast
- May be used for residential, commercial and institutional installations.
- VOC Compliant Yes (126 g/L)

PACKAGING

MVP⁴ is available in 2 gallon and 5 gallon pails.



STARTER ROW

Installing a Starter Row

Contractors generally use carpet tack strip or wood secured with masonry nails as a starter row. The starter row provides a stationary point to push against so the flooring doesn't move during the installation.

Moisture Vapor & Sound Protection

BOSTIK® EMC™ (EPOXY MOISTURE COATING)



Bostik EMC is a high performance, rapid drying, water-based, penetrating epoxy formulated to dramatically reduce moisture vapor transmission and surface alkalinity from substrates, including "freshly-poured/green concrete," properly prepared concrete, cement backer board, radiant heat flooring, and cement-based terrazzo prior to the installation of engineered or solid hardwood; carpet; vinyl/VCT; rubber; porcelain, marble, granite or ceramic tile floor covering. Bostik EMC is a low odor, non-flammable, two-component system.

BOSTIK® EMC™

- TACK-FREE TO THE TOUCH IN JUST 6 HOURS!
- EMC EPOXY MOISTURE COATING IS ROLLER APPLIED

FEATURES & BENEFITS

- Can apply immediately after freshly poured/green concrete has achieved initial set
 - Reduces the surface alkalinity of concrete slabs to pH levels of 9 or lower
 - Reduces Moisture Vapor Emission Rates from < 25 lbs. to < 3 lbs. per ASTM F 1869-4
 - Deep Penetrating/Low Viscosity Formula
 - Low odor
 - Easy clean-up
 - VOC Compliant
- Yes (67 g/L)

PACKAGING

Each kit contains 24 fl. oz. of Part A Resin and 104 fl. oz. of Part B Hardener.

CORK

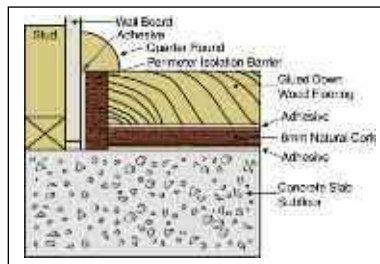


This sound control underlayment contains millions of air-filled pockets per cubic inch, making it an ideal insulator of sound. Cork is an outstanding sound barrier for all types of flooring material including hardwood, natural stone, marble and ceramic tile. Unlike synthetic underlayments that deteriorate after years of heavy use, and ultimately cause hollow-sounding floors, cork cells are very stable and do not break down. Cork provides a consistently solid sounding surface.

SYSTEM WARRANTY

Bostik can supply a complete sound reduction system and offer one warranty to cover the entire flooring project. The System Warranty will include the following Bostik products:

- Moisture vapor barrier
- Patches and underlayments
- Cork sound control underlayment
- Hardwood adhesives



Platinum Level of the American Airlines Center in Dallas, TX. Installed by Woodwright Company, Inc., Dallas, TX. A 24,000 sq. ft. installation of bamboo using Bostik's Best Urethane Adhesive.



CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|---|
| Binder | Polyurethane Resin |
| Base | Composition of Cork Granules: Size 1 – 3 |
| Density | 190 – 210 Kg/cm ³ (11.7 – 12.5 lbs/ft ³) |
| Tensile Strength | 5 – 8 Kg/cm ³ (71 – 114 lbs/in ²) |
| Recovery | 75% |
| Flexibility F5 | Pass |
| Floatation Tests | |
| 3 hrs. in boiling water: | Good |
| 1/2 hr. in boiling 35% hydrochloric acid: | Good |
| 2 hrs. at 100°F in ASTM oil: | Good |
| Thermal Conductivity | 0.042 Kcal/m ² h°C |
| Flammability | Cork rolls are considered fire retarding; do not produce toxic exhalations during combustion. |
| Dimensional, Width/Length: | +/- 0.5mm |
| Tolerance, Thickness: | +/- 0.2mm |
| Size | 4' x 50' x 6mm rolls |

ACOUSTICAL RATING

| | Hardwood | Ceramic Tile | Without Floor |
|------------------------------------|----------|--------------|---------------|
| | STC | IIC | STC |
| Concrete (Slab 8") | 56 | 62 | 60 |
| Concrete (Slab 6") | 54 | 59 | 53 |
| Concrete (Slab 4" with Steel Deck) | 60 | 65 | 60 |
| Wood (Joist Construction) | 54 | 60 | 54 |

PACKAGING

6mm; cork is available in 4' x 50' rolls and 2' x 3' sheets. Also available in 3mm rolls.

ADHESIVE

Spreading the Adhesive

Using the recommended trowel, spread out approximately three feet of adhesive from the starter row and immediately begin installing the flooring.

Urethane Adhesives

ULTRA-SET® SingleStep™



New!



Bostik's Ultra-Set® SingleStep™ is a one-part, trowel-applied, tacking, moisture-cure urethane adhesive, moisture vapor and sound reduction membrane. This scientifically-formulated adhesive and membrane is very tenacious, has very low moisture permeability, and is formulated with patent-pending Thickness-Control™ Spacer Technology to ensure proper membrane thickness between hardwood flooring and the substrate. Bostik's Ultra-Set SingleStep does NOT contain any water, and has 0- VOC as per SCAQMD 1168.

Once cured, Ultra-Set SingleStep will create a tough, flexible, tenacious bond to a variety of substrates for gluedown installations of engineered, solid, and bamboo wood flooring while also forming an elastomeric, urethane membrane designed to reduce moisture vapor transmission from the subfloor; create a noise reduction barrier over the substrate; and establish an anti-fracture membrane which can bridge cracks that can occur in the substrate prior to or after installation (up to 1/8"). Ultra-Set SingleStep's elastomeric characteristics allow the adhesive/membrane to move with the wood as it expands and contracts over the life of the floor. Ultra-Set SingleStep 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.

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

Ultra-Set SingleStep may also be used to install plywood as described, as well as ceramic tile, marble, and stone inlays for light commercial and/or residential applications.

Ultra-Set SingleStep was independently tested in a controlled laboratory environment to measure the IIC (Impact Insulation Class) according to ASTM E492-04 standards installed with 3/8" thick engineered wood flooring over a 6" concrete sub floor with a 5/8" suspended gypsum ceiling, achieved an IIC = 71 and with no suspended ceiling, IIC = 52 and an increase in Impact Insulation Δ IIC = 23.0.

CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|----------------------------|
| Percentage of Water ¹ | 0.0% |
| Percentage of Adhesive Coverage Required for: | |
| – Engineered Hardwood Flooring | ≥95% |
| Percentage of Adhesive Coverage Required for: | |
| – Solid Hardwood Flooring | 100% |
| Elongation | >180% |
| "Working Time" in Minutes ³ | |
| Open Time: | 90 |
| Application Temperature | 50°F to 100°F |
| Service Temperature | -40°F to 150°F |
| Flash Point: | ≥145°F, closed cup |
| ASTM E 2179 | |
| Increased Impact Insulation | Δ IIC 23 dB |
| ASTM E492-04 | |
| IIC (6" concrete slab with no ceiling) | 52 dB |
| IIC (6" concrete slab with 1 layer 5/8" gypsum board ceiling) | 71 dB |
| VOC Compliant | Yes (0.0 g/L) |
| Odor | Mild/not easily detectable |
| Color | White with black specks |
| Weight | 14.7 lbs./gallon |
| Cure Time ⁴ | *4 8 to 10 hours |

¹ 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%.

² Per ASTM E-96 Standard Test Methods for Water Vapor Transmission of Materials. Ratings are g/m² – 24-hour-mmHG.

³ Please refer to Open/Working Time Chart.

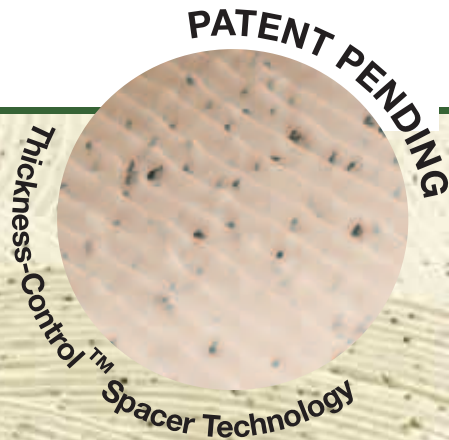
⁴ Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure. Under normal conditions, light foot traffic is acceptable after 6 to 8 hours; normal traffic after 12-16 hours.

PACKAGING

ULTRA-SET SingleStep is available in 4 gallon pails

FEATURES & BENEFITS

- Patent-Pending Thickness-Control™ Spacer Technology ensures proper film thickness, eliminating possibility of installer error
- No upper limit for moisture content
- IIC 52 over a 6" slab with no ceiling assembly. 71 with ceiling. Δ IIC 23
- Reduces Labor Cost — One Step vs. two or three steps for moisture and/or sound reduction.
- For all hardwood flooring including solids, bamboo, engineered, and parquet
- For above-, on-, or below-grade* applications
- 0-VOC and contains 1% post consumer recycled content
- Easy to spread
- Superior tack
- Contains Bostik's Blockade™ antimicrobial protection



Urethane Adhesives

BOSTIK'S BEST®



Bostik's Best® is a one-part, trowel-applied, tacking, moisture-cure, urethane adhesive; this advanced, scientifically-formulated adhesive does NOT contain any water. Once cured, Bostik's Best is waterproof and is not adversely affected by exposure to moisture or water; its superior properties provide a tough, flexible, tenacious bond to a variety of surfaces. Bostik's Best elastomeric characteristics allow the adhesive to move with the wood as it expands and contracts over the life of the floor.

Bostik's Best may be used to adhere all engineered, solid wood and bamboo flooring designed and recommended in writing by the hardwood flooring manufacturer for glue-down applications. 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.

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

This product contains Bostik's BLOCKADE™ antimicrobial protection, which inhibits growth of bacteria, mold, or mildew on the surface of the dried adhesive; the dried adhesive resists stains caused by mold.

FEATURES & BENEFITS

- The original and #1 selling moisture-cure urethane in the industry.
- Recommended by most hardwood flooring manufacturers.
- Contains no water... will not cause cupping or end-lifting.
- For use in above-, on- and below-grade installations.
- Offers vapor-retarding characteristics to wood flooring installations. (See Chemical & Physical Properties.)
- Set with Wet-Lay or Walk-On Work Method of Installation.
- Tacky consistency holds down flooring with normal bow and bridges minor subfloor variations.
- High solids results in greater adhesive coverage.



CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|----------------------------|
| Percentage of Water ¹ | 0.0% |
| Volume of Water in 5 Gallon Pail ¹ | 0.0 Pints or 0.0 Quarts |
| Percentage of Adhesive Transfer Required for: | |
| – Engineered Hardwood Flooring | ≥80% |
| Percentage of Adhesive Transfer Required for: | |
| – Solid Hardwood Flooring | ≥95% |
| Use to Glue-Down Solid Hardwood Flooring | Yes |
| Elongation | >150% |
| Shear Strength (Oak-to-Concrete) | >300 psi |
| Tensile Strength (modulus at 25%) | >185 psi |
| Does Adhesive Develop "Tack" | Yes |
| "Working Time" in Minutes | |
| | Open Time: 180 |
| (Including Tack Time) | Tack Time: 60 |
| | Working Time: 180 |
| Application Temperature | 50°F to 100°F |
| Service Temperature | -40°F to 150°F |
| Flammability Based on ASTM E-84 tests: | Flame Spread Index is 25 |
| Flash Point | 142°F, closed cup |
| Viscosity | 220,000 cps |
| VOC Compliant | Yes (86 grams/liter) |
| Odor | Mild/Not easily detectable |
| Color | Eggshell |
| Weight | 12.66 lbs./gallon |
| Cure Time | 8 to 10 hours |

¹ 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 +/- 2%

² Per ASTM E-96 Standard Test Methods for Water Vapor Transmission of Materials. Ratings are g/m² – 24-hour-mmHG.

PACKAGING

Bostik's Best is available in 5 gallon pails, 2 gallon pails, 10.1 oz. cartridges (24 per case) and 28 oz. cartridges (12 per case).

OPEN TIME

Hot and humid conditions reduce the adhesive's open time, while cold and dry conditions extend the open time. All urethane adhesives should be wet to the touch and transfer to your fingers easily during installation. Do not install wood into adhesive that has skinned over. Scrape it up and apply fresh adhesive.





NWFA 2009 Floor of the Year Award Winner
Best Living Room/Family Room

Installed using Bostik's Best® Moisture Cure Wood Flooring Adhesive

Photography supplied by SVB Wood Floors, Inc.

Urethane Adhesives

TKO® URETHANE



Bostik's TKO is a one-part trowel-applied, moisture-cure urethane; this advanced, scientifically-formulated adhesive does NOT contain any water. Once cured, TKO is waterproof and is not adversely affected by exposure to moisture or water; its superior properties provide a tough, flexible, tenacious bond to a variety of surfaces. TKO's elastomeric characteristics allow the adhesive to move with the wood as it expands and contracts over the life of the floor.

TKO may be used to adhere all engineered, solid and bamboo hardwood flooring designed and recommended in writing by the hardwood flooring manufacturer for glue-down applications. 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. TKO may be used over properly prepared substrates common to hardwood flooring installations including: concrete, plywood, particle or chip board (underlayment-grade), well-bonded vinyl and ceramic tile, cement backer board, gypsum patch/underlayment (dry, above-grade), cement patch/underlayments, radiant heat flooring and terrazzo.

**New & Improved
0-Solvent*, 0-VOC*³
Formulation**

FEATURES & BENEFITS

A technical innovation in moisture-cure urethane adhesives that offers the following:

- 0-Solvent
- Zero VOC*³
- Easy to spread
- Holds a better ridge
- Cleans up faster when wet than most urethane adhesives
- Contains Bostik's BLOCKADE™ antimicrobial protection, which inhibits the growth of bacteria, mold, or mildew on the surface of the dried adhesive; the dried adhesive resists stains caused by mold.



CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|----------------------------|
| Percentage of Water ¹ | 0.0% |
| Volume of Water in 5 Gallon Pail ¹ | 0.0 Pints or 0.0 Quarts |
| Percentage of Adhesive Transfer Required for: | |
| – Engineered Hardwood Flooring | ≥80% |
| Percentage of Adhesive Transfer Required for: | |
| – Solid Hardwood Flooring | ≥95% |
| Use to Glue-Down Hardwood Flooring | Yes |
| Elongation | >180% |
| Shear Strength (Oak-to-Concrete) | >160 psi |
| Tensile Strength (Modulus at 25%) | >120 psi |
| Does Adhesive Develop "Tack" | No |
| "Working Time" in Minutes | |
| Open Time: | 180 |
| Tack Time: | N/A |
| Working Time: | 180 |
| Application Temperature | 50°F to 100°F |
| Service Temperature | -40°F to 150°F |
| Flash Point | > 500°F, closed cup |
| Viscosity | ~ 550,000 cps |
| VOC Compliant | Yes (0 g/L) |
| Odor | Mild/Not easily detectable |
| Color | Mint |
| Weight | 13.8 lbs./gallon |
| Cure Time | 8 to 10 hours |

¹Per 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 +/- 2%.

²Per ASTM E-96 Standard Test Methods for Water Vapor Transmission of Materials. Ratings are g/m² – 24-hour-mmHG.

³As calculated per SCAQMD 1168

PACKAGING

TKO is available in 4 gallon pails.

BLUE TAPE

Taping Rows Together

After several rows of flooring are installed, tape them together with removable 3M blue tape. This will allow you to walk on your work without having floor boards move around.

Urethane Adhesives

BST™ URETHANE



BST™ represents a breakthrough technology in urethane. This product offers exceptional physical and chemical properties for a urethane. BST is a one-part, trowel-applied, tacking moisture-cure urethane with unsurpassed green strength and ridge-holding capabilities. It trowels easily and, once cured, is not affected by moisture or water. Because of its superior elongation and bond strength, BST can be used to install solid as well as engineered flooring.

FEATURES & BENEFITS

- Contains NO water... will not cause cupping or end-lifting.
- VOC compliant.
- Freeze / thaw stable.
- Can be used to adhere engineered, solid and bamboo flooring for light commercial and residential applications.
- Offers vapor-retarding characteristics to wood flooring installations (See Chemical & Physical Properties).
- Remains elastomeric; moves with expanding/contracting wood.
- High green strength.
- High bond strength and elongation.

CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|--|
| Percentage of Water | 0.0% |
| Volume of Water in 5 Gallon Pail | 0.0 Pints or 0.0 Quarts |
| Percentage of Adhesive Transfer Required for: | |
| – Engineered Hardwood Flooring | ≥80% |
| Percentage of Adhesive Transfer Required for: | |
| – Solid Hardwood Flooring | ≥95% |
| Use to Glue Down Solid Hardwood Flooring | Yes |
| Elongation | >100% |
| Shear Strength (Oak-to-Concrete) | >180 psi |
| Tensile Strength (Modulus at 25%) | >175 psi |
| Does Adhesive Develop “Tack” | Yes |
| “Working Time” in Minutes | |
| Open Time: | 180 |
| Tack Time: | 60 |
| (Including Tack Time) Working Time: | 180 |
| Application Temperature | 50°F to 100°F |
| VOC Compliant | Yes (86 g/L) |
| Odor | Mild/Not easily detectable |
| Color | Eggshell |
| Weight | 12.66 lbs./gallon |
| Cure Time | Higher humidity and temperature will accelerate cure. Under normal conditions, light foot traffic is acceptable after 8 to 10 hours, normal traffic after 24 hours. |

PACKAGING

BST is available in 5 gallon pails.

BOSTIK EFA+™ (ELASTOMERIC FLOORING ADHESIVE)



Bostik's EFA+ Elastomeric Flooring Adhesive is a one-part, trowel-applied, moisture-cure urethane adhesive; this advanced, scientifically-formulated adhesive does NOT contain any water. Once cured, EFA is waterproof and is not adversely affected by exposure to moisture or water; its superior properties provide a tough, flexible, tenacious bond to a variety of surfaces. EFA's elastomeric characteristics allow the adhesive to move with the wood as it expands and contracts over the life of the floor.

FEATURES & BENEFITS

- Contains no water... will not cause cupping or end-lifting.
- Spreads and trowels easily... feels and spreads like a latex.
- Wet lay... no flash time required.
- Fast cure rate... quick turnaround.
- VOC compliant
- Low odor... virtually odorless.
- Freeze / thaw stable.
- Can be used to adhere engineered, solid and bamboo flooring for light commercial and residential applications.
- Waterproof adhesive... once cured, bond is not affected by moisture.
- Easy clean-up

CHEMICAL & PHYSICAL PROPERTIES

| | |
|---|--|
| Percentage of Water | 0.0% |
| Volume of Water in 5 Gallon Pail | 0.0 Pints or 0.0 Quarts |
| Percentage of Adhesive Transfer Required for: | |
| – Engineered Hardwood Flooring | ≥85% |
| – Solid Hardwood Flooring | ≥95% |
| Use to Glue-Down Solids | Yes |
| Elongation | >180% |
| Shear Strength (Oak-to-Concrete) | >165 psi |
| Tensile Strength (Modulus at 25%) | >150 psi |
| “Working Time” in Minutes | |
| Open Time: | 180 |
| (Including Flash Time) Flash Time: | N/A |
| Working Time: | 180 |
| Does Adhesive Develop “Tack” | No |
| VOC Compliant | Yes (85 g/L) |
| Odor | Mild/Not easily detected |
| Color | White |
| Weight | 13.8 lbs./gallon |
| Cure Time | Higher humidity and temperature will accelerate cure. Under normal conditions, light foot traffic is acceptable after 8 to 10 hours, normal traffic after 24 hours. |

PACKAGING

EFA+ is available in 5 gallon pails.

L atex Adhesives

HPL™ ADHESIVE (HIGH PERFORMANCE LATEX)



New!



Bostik® HPL™ Wood Flooring Adhesive is a high solids, extremely flexible, polymer-based adhesive formulated for the interior installation of engineered wood flooring and finger block parquet. This specially-formulated adhesive has good early tack for immediate grab and quickly builds into a permanent but resilient bond. It is solvent-free, has very low VOC content, contains no hazardous chemicals, is nonflammable, and

meets all federal, state, and local governmental indoor air quality regulations. The use of HPL will contribute to LEED credit 4.1 for Low-Emitting Materials.

HPL may be used to adhere all dimensionally-stable engineered, acrylic impregnated engineered and finger-block parquet. HPL may be used over properly-prepared substrates common to hardwood flooring installations including: properly-prepared concrete, properly-prepared cement terrazzo, plywood, particle or chip board (underlayment-grade), cement backer board, and cement patch/underlayments and properly-prepared, primed gypsum underlayments with minimum design strength of 2000 psi.

FEATURES & BENEFITS

- Easy to clean up with water
- Easy to spread
- Mild odor
- Good initial grab
- Trowels easily
- Holds a ridge for good adhesive transfer
- Develops strong tack

CHEMICAL & PHYSICAL PROPERTIES

| | |
|---------------------------|--------------------------|
| Elongation | > 200% |
| "Working Time" in Minutes | |
| Open Time: | 45 minutes |
| Working Tile Time | 60 minutes |
| Application Temperature | 50°F to 100°F |
| Service Temperature Range | -10°F to 100°F |
| Viscosity | 175,000 cps. |
| VOC Compliant | Yes (0.36 g/L) |
| Color | Tan |
| Odor | Mild/Not easily detected |
| Density | 9.5 lbs. per gallon |
| Freeze/Thaw Stable | ASTM D2243 |

PACKAGING

HPL is available in 4 gallon (19 liters) pails.



C artridge Adhesives

BOSTIK'S BEST®



A one-part cartridge, gun-applied, multi-use, moisture-cure urethane adhesive that can be used to install medallions, borders, stair treads and transition strips. This product contains Bostik's Blockade™ antimicrobial protection.

PHYSICAL PROPERTIES

| | |
|---------------------|---------------|
| Tack Free Time | 90 minutes |
| Tool/Work Life | 70 minutes |
| Curing Time at 77°F | 1.5 to 3 days |
| Hardness (Shore A) | 40-45 |
| Tensile Strength | 240 psi |

PACKAGING

Bostik's Best is available in 10.1 oz. cartridges (24 per case) and 28 oz. cartridges (12 per case).

Cleaners & Tools

ULTIMATE™ ADHESIVE REMOVER



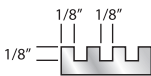

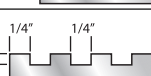
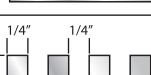
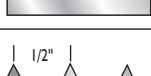

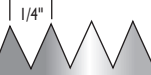
Use Bostik's Ultimate™ Adhesive Remover to remove wet and cured urethane adhesive from the surface of pre-finished (non-wax) wood flooring. Ultimate Adhesive Remover is a readily biodegradable, low-odor, water-rinsable solution.

Bostik's Ultimate Urethane Adhesive Remover is available in two formulations: liquid and pre-soaked, ready-to-use towels.

PACKAGING

Liquid Formulation, 32-ounce bottle, 12 per case.
Ready-To-Use Towels, 60 pre-wet towel container, 6 per case.
Sold in full cases only.

TROWELS

| Item/Description | Item Number | Coverage |
|--|-------------|--------------|
|  <p>1/8" wide x 1/8" deep x 1/8" centered Square-Notch Trowel Finger Block Parquet</p> | B11126 | 80 sq ft/gal |
|  <p>3/16" wide x 5/32" deep V-Notch Trowel 3 ply and 5 ply Engineered Plank</p> | B11127 | 50 sq ft/gal |
|  <p>1/4" wide x 1/8" deep x 1/4" centered Square-Notch Trowel >1/2" Engineered Plank & 3/4" Parquet</p> | B11124 | 40 sq ft/gal |
|  <p>1/4" wide x 1/4" deep x 1/4" centered Square-Notch Trowel Flat Milled Solid & Shorts or Plywood</p> | B11125 | 35 sq ft/gal |
|  <p>1/2" wide x 15/32" deep V-Notch Trowel Wood Flooring greater than 5/8" thick</p> | B15770 | 20 sq ft/gal |
|  <p>1/4" wide x 1/4" deep V-Notch Trowel Wood Flooring up to 5/8" thick</p> | B11170 | 30 sq ft/gal |
|  <p>3/16" wide x 1/4" deep V-Notch Trowel Wood Flooring up to 3/8" thick</p> | B15780 | 35 sq ft/gal |

PACKAGING

Sold in full cases only, 6 trowels per case.

Trowel size is suggested to maximize coverage of adhesive. Periodically check coverage of adhesive during installation; >80% coverage is required for engineered hardwood flooring; >95% coverage is required for solid hardwood flooring. Uneven subflooring may require the use of either a leveling/patching material, or a larger notched trowel for proper coverage of adhesive.



CLEANING

Cleaning the Adhesive

Because urethane adhesives bond extremely well to the surface of pre-finished flooring, you should clean up the adhesive residue as you work. It is possible to remove cured adhesive but it takes a lot of time and effort.



Diamond Flooring (Elizabethtown, KY)
NWFA Floor of the Year Award 2009
Best Kitchen/Dining Room (CNC/Laser Cut)

Installed with Bostik's Best® Moisture Cure Urethane Wood Flooring Adhesive

Photograph courtesy of Jaime Lupresto, Diamond Flooring

NWFA Floor of the Year Award Winners Use Bostik® Adhesives

2008



Universal Floors, Inc., Washington, D.C.
Members Choice & Best Engineered - 2008

Project: Engineered Parquet Floor Patterned after an American Folk Art Marquetry.

Best Entry Foyer

Project: Michelangelo's "The Creation of Adam"



Seabaugh Custom Hardwood Floors, Inc.,
Cape Girardeau, MO

Best Kitchen/Dining Room (Non-CNC) - 2008

Best Living Room/Family Room (Non-CNC) - 2008

Project: Both rooms were Riftsawn ash with aluminum strips, abstract non-directional floor.



Floor Man Company, Inc., Toledo, Ohio
Best Kitchen/Dining Room (CNC) - 2008

Project: Parquet Made up of African Wenge (black wood).

Best Bedroom - 2008

Project: Five Point Brazilian Cherry Star and Starburst out of Brazilian Cherry and White Oak.



Birger Juell Ltd., Chicago, IL
Best Commercial Show Room - 2008

Project: Versailles Parquet with wenge feature strips as well as popular parquet Juell designed based on a floor from the 18th century chateau in France's Loire Valley, Chateau Montgeoffroy.



Czar Floors, Inc.,
Newton, PA

Best Living Room/Family Room (CNC) - 2008

Project: 3/4-inch solid parquet using white oak for main body of the parquet and merbau and maple for the grid.



Pasadena Wood Floors,
Pasadena, CA

Best Restoration - 2008

Project: Charitable Contribution-Restoration of the observatory at the Monrovia, California High School.



Palembas Hardwood Floors, Inc., Escondido, CA

Best Limited Species - 2008

Project: Teak boat decking 2-1/4" wide, with a 1/2" rabet, 1/2" thick SNF 6 to 12 feet long was used, as well as a marine epoxy resin that would stick to the oily wood.

NWFA Floor of the Year Award Winners Use Bostik® Adhesives

2009



Universal Floors, Inc., Washington, D.C.

Best Restoration - 2009

Project: Salvaged materials used to repair and recreate areas of the floor.

Best Library Office - 2009

Project: Basic jig and a plunging circular saw

Best CNC/Lasar Cut - 2009

Project: Full scale samples of parquet flooring



American Hardwood Flooring, Delano, MN

Best Kitchen/Dining Room - 2009

Project: 3/4-inch end grain cypress beams.



American Hardwood Flooring, Delano, MN

Best Entry/Foyer - 2009

Project: Herringbone floor made of padauk, and the winding border of padauk, white oak and wenge.



CP Hardwood Floors, Gales Ferry, CT

Photo courtesy of Randy O'Rourke

Best Bedroom - 2009

Project: 528 sq.ft., hand-cut bedroom floor comprised of 10 wood species, 300 lineal feet of frass, 60 sq. ft. of gold leaf, black marble, brass and stone inlays.



Majestic Wood Floors Inc., Frederick, MD

Best Extreme Makeover - 2009

Project: Replaced 60 sq. ft. of the 630 sq. ft. floor. Four corner medallions were replaced by nautical stars whose points radiate in the herringbone border.



Birger Juell, LTD., Chicago, IL

Best Commercial Showroom - 2009

Project: Traditional chain-style parquet; main floor stained walnut, and the chain linking the pattern features wenge, walnut and "Peruvian gold" woods.

Best Reclaimed (Hand-Cut)

Project: Reclaimed white oak from a 19th century medical building, combined with leather centers to create a Versailles parquet.



Precision Floorcrafters, Ocala, FL

Best Limited Species - 2009

Project: 3/4-inch end grain cypress beams.



Woodwright Hardwood Floors Co., Dallas, TX

Best Commercial Showroom (Hand-cut) - 2009

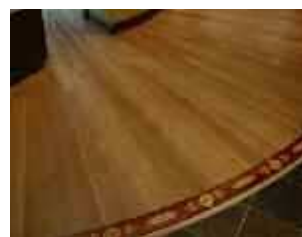
Project: 7000 sq. ft. engineered walnut floor was installed in the lobby of an oil company.



Yantarnaya Pryad, Khimki, Russia

Best Living Room/Family Room - 2009

Project: Artistic Parquet Floors, located in a massive suburban Moscow home. Room measured 652 sq.ft., but the design comprised an impressive 5,300 sq.ft. Included in the solid glue-down floor is oak, maple, and walnut.



Diamond Flooring, Elizabethtown, KY

Best Kitchen and Dining Room - 2009

Project: Custom starburst floor to compliment the circular kitchen floor. Variety of wood types, both laser and hand-cut within the starburst edges.



SVB Wood Floor Service, Inc., Grandview, MO

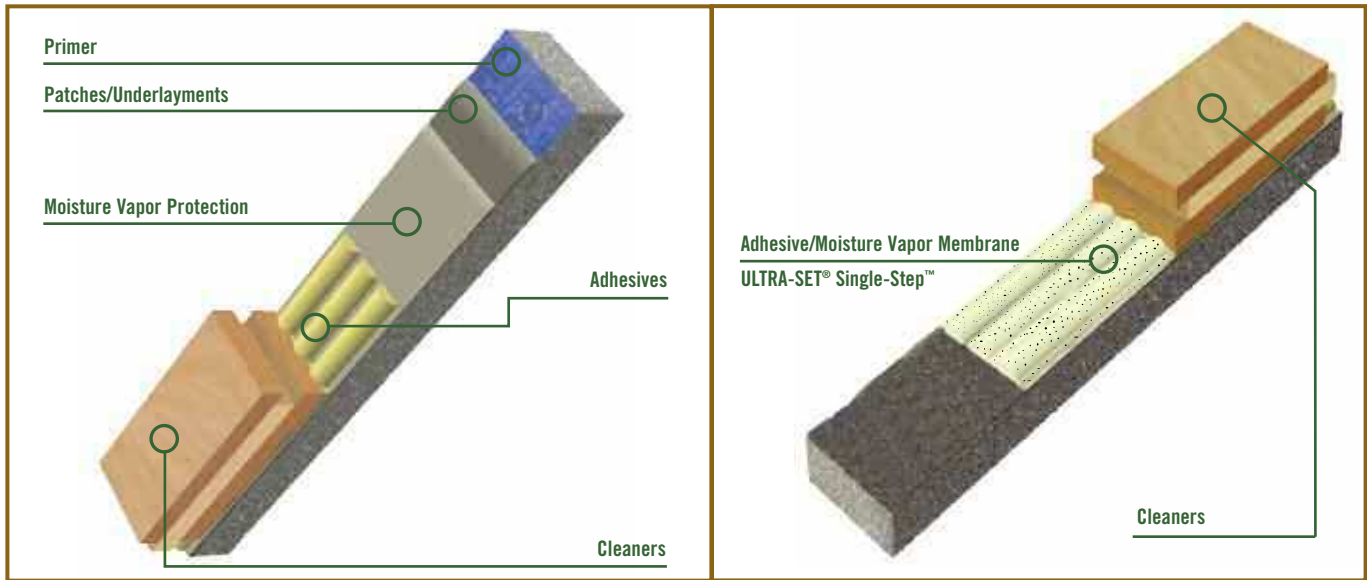
Best Living Room/Family Room (Non-CNC) - 2009

Project: 2000 pieces of maple wenge, walnut and quartered red oak assembled into an intricate design, which took approximately 2 weeks.

Bostik® Hardwood Products — A Complete System

BOSTIK, INC. IS THE ONLY COMPANY THAT CAN OFFER ONE WARRANTY TO COVER THE ENTIRE HARDWOOD FLOORING PROJECT.

The larger the job, the more of an issue it is. If you're bidding a large job and are using Bostik Hardwood Flooring Products, you can beat out the competition by offering One Job Specific Warranty to cover the whole job. Please contact Bostik's Technical Service Department at 1-800-7/BOSTIK.



Primer

- Universal Primer™

Patches/Underlayments

- Bostik's ULTRAFINISH™
- ULTRA-SET® SingleStep™
- Bostik SL-150™
- Fast Patch 102™
- Cork-Sound Control Underlayment

Moisture Vapor Protection

- MVP⁺ Moisture Vapor Protection
- ULTRA-SET® SingleStep™
- Bostik EMC™

Adhesives

- ULTRA-SET® SingleStep™
- Bostik's Best®
- TKO™
- BST™ Urethane
- EFA⁺™
- HPL™

Cleaners

- Ultimate™ Remover

Accessories

- Ultimate™ Remover
- Trowels

Bostik® Hardwood Display Board

A visual guide to the most common Bostik Hardwood Flooring Installation Systems, which include patches/underlayments, moisture/sound protection membranes, and adhesives. To obtain a dealer display board contact your local Bostik Hardwood Territory Sales Manager or your local Bostik Hardwood Product Distributor.





The Adhesive Company

WARRANTY

HARDWOOD ADHESIVE BOND WARRANTY

Bostik Hardwood Products warrants that Bostik's Hardwood Adhesives¹ will bond all engineered, solid, or acrylic impregnated hardwood and bamboo flooring, designed and recommended in writing by the wood flooring manufacturer for glue-down, to all substrates common to hardwood flooring for a period equal to the wood flooring manufacturer's product warranty.

HARDWOOD MOISTURE WARRANTY

Bostik Hardwood Products warrants that Bostik's Hardwood Adhesives¹, when used in conjunction with Bostik Hardwood Products Approved Surface Preparation Membrane², or when installed as directed with ULTRA-SET[®]SingleStep[™], will bond and will protect all engineered, solid, bamboo, or acrylic impregnated hardwood flooring, designed and recommended in writing by the wood flooring manufacturer for glue-down to subfloors described in the associated Bostik Hardwood Products Approved Surface Preparation Membrane² data sheet against moisture damage through the subfloor for a period equal to the wood flooring manufacturer's product warranty.

These warranties are contingent upon the following:

The evaluation of a potential claim by a Bostik, Inc. representative in advance of any replacement work, submittal of wood flooring manufacturer's product warranty, and a copy of the original materials and installation invoice(s). Any repairs conducted prior to evaluation will void all warranties.

The adhesive must be used in accordance with Bostik Hardwood Products' most recent published literature.

The wood flooring must be installed in accordance with the wood flooring manufacturer's most recent published literature pertaining to glue-down installations, including but not limited to, wood flooring acclimation, expansion space, jobsite temperature, relative humidity and air flow requirements.

The installation must be maintained in accordance with the wood flooring manufacturer's recommendations including, but not limited to, temperature, relative humidity, and proper maintenance.

This warranty does not cover damage due to flooding, hydrostatic head, puddling, improper maintenance, low/excessive relative humidity and/or temperature, or any issues not related to excessive moisture proven to be coming through the membrane.

This warranty is to the original purchaser and is non-transferable. Bostik Hardwood Products will repair or replace the affected flooring one time only.

¹The following Bostik Hardwood Products Adhesives are covered with this warranty: ULTRA-SET[®] SingleStep[™], Bostik's Best[®]; TKO[™]; BST[™] Urethane; and EFA⁺[™].

²The following Bostik Hardwood Products Approved Surface Preparation Membrane is covered with this warranty, when applied according to the most recent published literature: MVP⁺[™] Moisture Vapor Protection, EMC[™] (Epoxy Moisture Coating).

In the event of a valid claim under this warranty, Bostik Hardwood Products will pay to repair or replace on a square foot basis the portion(s) of the installation that is proven to be defective. This payment is to include all reasonable materials and labor only. Bostik Hardwood Products is not responsible for workmanship not in accordance with Bostik Hardwood Products' most recent published literature, defects in the wood flooring, abuse, misuse, or losses due to delays or any other consequential damages.

Contact Bostik's Technical Service department for job specific recommendations and warranties.

Corporate Office

Bostik, Inc.
Middleton, MA 01949
800-7/BOSTIK
www.bostik-us.com

Manufacturing Locations

Conyers, GA 30207
Temecula, CA 92590
Paulsboro, NJ 08066

Customer Service

Phone: 800-7/BOSTIK
Fax: 978-750-7306

Technical Service

Phone: 800-7/BOSTIK
Fax: 978-750-7212





Superior Adhesive, Moisture Protection and Sound Reduction Membrane in one SingleStep. Save time and money with Ultra-Set® SingleStep™. Ultra-Set SingleStep is the only multifunctional, practical adhesive with patent pending Thickness-Control™ Technology.



- Patent Pending Thickness-Control™ Technology ensures proper film thickness, eliminating possibility of installer error
- No upper limit for moisture content
- IIC 52 over a 6" slab with no ceiling assembly. 71 with ceiling, ΔIIC23
- Reduces Labor Cost—One Step vs. two or three steps for moisture and/or sound reduction.
- For all hardwood flooring including solids, bamboo, engineered, and parquet
- For on-grade, below-grade*, above-grade applications
- 0-VOC and contains 1% recycled content
- Easy-to-spread
- Superior tack
- Contains Bostik's Blockade™ antimicrobial protection

For more information, call your local distributor or a Bostik customer service representative today at **1-800-7/BOSTIK**.

ULTRA-SET®
SingleStep™
1-800-7/BOSTIK

Bostik
The Adhesive Company

Bostik, Inc.
 211 Boston Street • Middleton, MA 01949
 email: contactus@bostik-us.com
www.bostik-us.com
www.greenmission.bostik-us.com