



# Multi-Lock™

HIGH MOISTURE RESISTANT RESILIENT ADHESIVE

## KEY FEATURES

- Bonds a wide variety of flooring
- High strength, high tack
- Bonds up to 95% RH & 11.0 pH

## DESCRIPTION

Bostik Multi-Lock™ is a solvent-free, water-based, acrylic adhesive specifically formulated for the installation of most resilient flooring in residential and commercial applications. Multi-Lock™ is a low VOC formulation. It displays tenacious early bond strength and is specially formulated to be highly resistant to plasticizer migration. Multi-Lock™ has been formulated to exhibit a unique combination of application properties including excellent trowelability, fast tack/grab, low odor and easy clean up.

## ULTIMATE VERSATILITY

Multi-Lock™ may be used to adhere LVT (Luxury Vinyl Tile), LVP (Luxury Vinyl Plank), sheet vinyl, VCT, cork, and non-PVC backed carpet tile in residential or heavy commercial applications. It may be used over all properly prepared substrates common to resilient flooring installations including; concrete, APA grade plywood, cementitious-based patch/underlayment, gypsum-based patch/underlayment (in dry, above-grade applications), terrazzo, and radiant heated flooring.

## MOISTURE & ALKALI RESISTANCE

Multi-Lock™ is formulated to resist high amounts of moisture vapor from concrete substrates, allowing it to bond flooring in conditions up to 95% RH and up to 11.0 pH. Always measure the in situ RH of concrete slabs in accordance with ASTM F 2170, and test the pH of the slab.

## LEED® CONTRIBUTION

Multi-Lock™ is a low VOC formulation, and may contribute toward LEED® credits under LEED® v4 Credits: IEQ Credit 2.1 and IEQ Credit 2.2.

## DIRECTIONS FOR USE

Read and understand the data sheet completely before beginning installation. Follow the appropriate industry standards, including ASTM F710 Standard Practice for Preparing Concrete Floors



to Receive Resilient Flooring as well as the floor covering manufacturer's directions.

Resilient flooring materials have vastly different substrate preparation and installation requirements that are essential to a successful installation regardless of flooring material or adhesive being installed. Always do a test area to ensure product satisfaction, including adhesion to substrate, and/or to become familiar with proper application techniques prior to use.

## SURFACE PREPARATION

Surfaces must be clean, dry and flat; free of voids, projections, loose materials, oil, grease, sealers and all other surface contaminants. Mechanically remove all surface contaminants by grinding or scarifying the substrate. Surface areas requiring patching or leveling must be treated using Bostik cement patches and/or self-leveling underlayment. Refer to the use instructions of these products for proper installation.

Bostik D-250™ Moisture Vapor Barrier Coating or Slab-Cote™ Extreme Moisture Vapor Barrier Coating are recommended for installations where moisture and/or alkalinity in excess of stated limits may exist or might occur from the concrete slab.

## INSTALLATION

Spread Multi-Lock™ evenly with the proper trowel as described below. Flash time and working time are influenced by substrate porosity and atmospheric conditions (i.e. temperature, humidity, and air movement.) The higher the temperature, the lower the humidity, and the more porous the substrate, the faster the flash time and the shorter the working time. For best results maintain adhesive, floor covering, and room at a stable temperature of 65°F to 85°F (18°C to 29°C) and ambient humidity between 45-65% for 48 hours before and after installation.

Flooring may be installed when the adhesive has flashed off sufficiently to prevent adhesive transfer to the fingertips, usually after 10-20 minutes for porous substrates, or 30-60 minutes on non-porous substrates. Do not install flooring in wet adhesive on non-porous substrates. Always follow the flooring manufacturer's installation guideline. Flooring must be installed within the working time, up to 4 hours after flash time. Follow manufacturer recommendations for rolling and/or cross-rolling the flooring during installation.

## CURE TIME

**Traffic:** Foot traffic may resume immediately after installation and rolling in dried adhesive installations. Wet mopping can be done after 1 week.

## CLEANUP AND STORAGE

As you work, immediately clean any adhesive from resilient flooring using a clean, damp cloth. Immediately clean all tools and equipment before adhesive cures. Follow flooring manufacturer's recommendation for clean-up. Use mineral spirits or other solvent may be needed to remove dried adhesive. Some flooring may not be compatible with solvents such as mineral spirits. The product should be stored in the original container in a cool, dry place and out of direct sunlight. Do not allow product to freeze. If the product should freeze, store at 75°F (25°C) until completely thawed, then thoroughly mix contents. Test carefully to ensure the product performance has not been compromised.

## LIMITATIONS

- This product is for interior installations only.
- Do not use this product where excessive moisture and alkalinity are present as specified above, or by the flooring manufacturer.
- Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 95% RH or the floor covering manufacturer's RH limit, treat with Bostik's D-250™ or Slab-Cote™ Moisture Vapor Barrier Coating. Please refer to D-250™ or Slab-Cote™ Data Sheets.
- Do not use this product when the substrate temperature is below 65°F (18°C) or above 85°F (30°C) or when the relative humidity exceeds 65%.
- Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers, curing compounds or chemical cleaners; do not use in areas subject to hydrostatic head.
- Do not allow heavy traffic or rolling loads for a minimum of 72 hours.
- Resilient flooring is available in a wide range of variations with a number of different backings; it is critical that a test is done prior to actual installation using the adhesive and flooring material to confirm compatibility, application techniques, and/or proper performance of the adhesive.
- Multi-Lock™ may be used over any gypsum-based underlayments, but only in dry, above-grade applications.

## CHEMICAL & PHYSICAL PROPERTIES

<b>Use Environments</b>	Offices/Light Commercial	Yes
	Residential	Yes
	Hospitality	Yes
	Heavy Commercial	Yes
	Hospital/Healthcare	Yes
	Exterior	No
	Wet Areas	No
<b>Substrates</b>	Concrete	Yes
	Plywood (APA Grade)	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Gypsum Underlayment	Yes*
	Steel	Yes
	OSB Underlayment	No
	Asphalt	No
<b>Flooring Types</b>	LVT or LVP	Yes
	Sheet Vinyl	Yes
	VCT	Yes
	Cork	Yes
	Carpet Tiles**	Yes
	Rubber underlayment	No
	Linoleum	No
	Olefin-backed Vinyl	No
<b>Cured Physical Properties</b>	Time to light foot traffic	Immediate
	Full return to service	Immediate
	Rolling Loads Capacity	High
	Slab Moisture Limits	95% RH
	pH Resistance	11.0
<b>Uncured Physical Properties</b>	Ease of Troweling	Extremely Easy
	Odor	Slight
	Required Flash Time	<b>Porous Substrates:</b> 10-20 minutes <b>Non-Porous Substrates:</b> 30-60 minutes
	Working Time	4 hours
	Color	White
	Density (lbs/gallon)	8.3
	Freeze/Thaw	Do Not Freeze
<b>Chemical Properties</b>	Chemistry Type	Acrylic
	Adhesive Type	Pressure Sensitive
	VOC***	6 g/L
	Plasticizer Resistant	Yes
	Solvent Free	Yes
	Flash Point	>212°F
	% Solids	60%

\* Dry, above-grade applications only

\*\* Except PVC backings

\*\*\* As calculated per SCAQMD Rule 1168

## PACKAGING

Multi-Lock™ is available in 4 gallon biodegradable plastic pails (48 pails per pallet), and cases of 1 gallon pails, 4 per case (36 cases per pallet).

## COVERAGE

Ensure proper adhesive coverage. Most resilient flooring types require >95% transfer. Trowel sizes listed below are suggested to ensure proper bond while maximizing coverage of adhesive.

## SHELF LIFE

Shelf life is one year from date of manufacturing in unopened, original packaging when stored at temperatures between 65°F (18°C) and 95°F (35°C).

### **TROWEL RECOMMENDATIONS**

1/16" x 1/32" x 1/32" U-Notch

Coverage: 220-260 square feet per gallon

### **CAUTION**

MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not get in eyes, on skin or on clothing. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

**KEEP OUT OF REACH OF CHILDREN**

### **FIRST AID TREATMENT**

If in eyes or on skin, rinse with water for at least 15 minutes. If inhaled, remove 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](http://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**  
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