



Bostik

LOCK A490 LVT™

FIRM-SET VINYL FLOORING ADHESIVE

KEY FEATURES

- Rapid tacking, firm set
- High bond & shear strength
- Plasticizer migration resistant

DESCRIPTION

Bostik LOCK A490 LVT™ is a solvent-free, water-based, acrylic adhesive specifically formulated for the installation of vinyl flooring. LOCK A490 LVT™ is a 0 VOC formulation as calculated by SCAQMD Rule 1168. It displays tenacious early-bond strength and is specially formulated to be highly resistant to plasticizer migration. LOCK A490 LVT™ has been formulated to exhibit a unique combination of application properties including excellent trowelability, fast tack/grab, low odor, and easy cleanup.

ULTIMATE VERSATILITY

LOCK A490 LVT™ may be used to adhere LVT (Luxury Vinyl Tile), LVP (Luxury Vinyl Plank), and sheet vinyl. It may be used over all properly prepared substrates common to resilient flooring installations (on or above grade only) including concrete, APA-grade plywood, cementitious-based patch/underlayments, gypsum-based patch/ underlayments (in dry, above-grade applications), terrazzo, and radiant-heated flooring.

MOISTURE & ALKALI RESISTANCE

LOCK A490 LVT™ is formulated to resist moderate amounts of moisture vapor from concrete substrates, allowing it to bond flooring in conditions up to 90% RH, and a pH of up to 10.0. Always measure the in situ RH of concrete slabs in accordance with ASTM F2170, and test the pH of the slab.

LEED® CONTRIBUTION

LOCK A490 LVT™ is a 0 VOC formulation as calculated per SCAQMD Rule 1168 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.

Previously known as
LVT-LOCK+™



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, curing compounds, paint, adhesive residue, or any surface contaminants that would interfere with the adhesive's bond. 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 underlayments. 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 LOCK A490 LVT™ evenly with the proper trowel as described. 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 95°F (18°C to 35°C) for 24 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: Normal traffic may resume after 24 hours. Avoid high rolling loads for 72 hours. 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 cleanup. Use of 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 90% RH or the floor covering manufacturer's moisture vapor 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 or curing compounds; 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.
- LOCK A490 LVT™ may be used over gypsum-based underlayments, but only in dry, on- or above-grade applications.
- Do not use this product where excessive moisture and alkalinity are present as specified above, or by the flooring manufacturer.

CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Offices/Light Commercial	Yes
	Residential	Yes
	Hospitality	Yes
	Heavy Commercial	Yes
	Hospital/Healthcare	Yes
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	Plywood (APA Grade)	Yes
	OSB Underlayment	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Gypsum Underlayment	Yes*
	Prepared Metal	No
	Asphalt	No
Flooring Types	LVT or LVP	Yes
	Sheet Vinyl	Yes
	VCT	No
	Rubber	No
	Cork	No
	Carpet Tiles	No
	PVC backings	No
	Linoleum	No
	Olefin-Backed Vinyl	No
Cured Physical Properties	Full Return to Service	24 hrs
	Rolling Loads Capacity	High
	Slab Moisture Limits	90% RH
	pH Resistance	10.0
Uncured Physical Properties	Ease of Troweling	Extremely Easy
	Odor	Slight
	Required Flash Time	Porous Substrates: 10-20 minutes Non-Porous Substrates: 30-60 minutes
	Working Time	4 hours
	Color	White
	Density (lbs/gallon)	8.2
	Freeze/Thaw	Do Not Freeze
Chemical Properties	Chemistry Type	Acrylic
	Adhesive Type	Firm Set
	VOC**	0
	Plasticizer Resistant	Yes
	Solvent Free	Yes
	Flash Point	>212°F
	% Solids	60%

* Dry, above-grade applications only

** As calculated per SCAQMD Rule 1168

PACKAGING

LOCK A490 LVT™ 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 are suggested to ensure proper bond while maximizing coverage of adhesive.

SHELF LIFE

Shelf life is two years 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

IRRITANT. CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED. CONTAINS POTENTIAL SENSITIZER. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. MAY IRRITATE EYES, SKIN, AND RESPIRATORY TRACT. Do not breathe fumes. Do not get in eyes, on skin, or on clothing. Do not swallow. Use only in a well-ventilated area or wear mask. 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

Contains rosin esters/resins and quartz silica. If in eyes or on skin, rinse with water for at least 15 minutes. 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

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