



Bostik

LOCK A495 AERO™

SOLVENT FREE AEROSOL RESILIENT ADHESIVE

Previously known as
AERO-LOCK™

KEY FEATURES

- Withstands heavy traffic & rolling loads
- Superior moisture & plasticizer resistance
- Bonds up to 95% RH & 11.0 pH

DESCRIPTION

Bostik LOCK A495 AERO™ is a solvent-free, water-based, acrylic spray adhesive specifically formulated for the installation of sheet vinyl, LVT, LVP, and VCT. LOCK A495 AERO™ is a low-VOC formulation as calculated by SCAQMD Rule 1168. This adhesive displays tenacious early bond strength, and is specially formulated to be highly resistant to plasticizer migration. LOCK A495 AERO™ has been formulated for fast tack/grab, low odor, and easy cleanup.

ULTIMATE VERSATILITY

LOCK A495 AERO™ may be used to adhere LVT (Luxury Vinyl Tile), LVP (Luxury Vinyl Plank), sheet vinyl, and VCT. 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, properly prepared gypsum-based patch/underlayments (in dry, above-grade applications), terrazzo, and radiant-heated flooring.

MOISTURE & ALKALI RESISTANCE

LOCK A495 AERO™ is formulated to resist moderate amounts of moisture vapor from concrete substrates, allowing it to bond flooring in conditions up to 95% RH, and pH of up to 11.0. Always measure the in situ RH of concrete slabs in accordance with ASTM F2170, and test the pH of the slab.

LEED® CONTRIBUTION

LOCK A495 AERO™ has 0 VOC (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 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, existing adhesives, 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 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

SHAKE CAN THOROUGHLY BEFORE EACH USE. Point spray nozzle downward and press the side of the nozzle to begin spray. Slowly walk in straight rows while spraying, minimizing sweeping arm motions to prevent uneven coverage. Overlap each row by half its width for even spray coverage. To determine the accurate coverage rate, measure and chalk line the substrate into grids (using the appropriate square footage of area for the adhesive application), and spray the entire can of adhesive onto each measured grid area. When using on a non-porous substrate, a lighter application may be necessary. A heavier coat may be required on all seams depending on floor coverings installed and porosity of substrate. Your rate of coverage should never be more than the stated coverage rate for flooring being installed. Wipe up any drips.

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 2 hours after flash time. Follow manufacturer recommendations for rolling and/or cross-rolling the flooring during installation.

CURE TIME

Traffic: Normal foot traffic may resume immediately after installation and rolling. 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. Mineral spirits or other solvent may be needed to remove dried adhesive. Some flooring may not be compatible with solvents such as mineral spirits. Between uses, clean the nozzle with a clean, wet cloth. The product should be stored in the original container in a cool, dry place and out of direct sunlight. Do not expose to temperatures exceeding 122°F (50°C). Prolonged exposure to excessive heat or sunlight may cause can to explode. Do not allow product to freeze. Relieve pressure from empty cans and recycle or dispose of in accordance with local requirements.

LIMITATIONS

- This product is for interior installations only.
- Do not use below grade.
- 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.

CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Offices/Light Commercial	Yes
	Residential	Yes
	Hospitality	Yes
	Hospital/Healthcare	Yes
	Heavy Commercial	Yes
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	APA-Grade Plywood	Yes
	Gypsum Underlayment	Yes*
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	OSB Underlayment	No
	Prepared Metal	No
	Asphalt	No
Flooring Types	LVT or LVP	Yes
	Sheet Vinyl	Yes
	VCT	Yes
	Carpet Tiles	Yes
	Rubber	No
	Felt-Backed Sheet Goods	No
	PVC Backings	No
	Linoleum	No
Cured Physical Properties	Olefin-Backed Vinyl	No
	Time to Light Foot Traffic	Immediate
	Full Return to Service	Immediate
	Rolling Loads Capacity	High
	Slab Moisture Limits	95% RH
	pH Resistance	11
Uncured Physical Properties	Ease of Application	Extremely Easy
	Odor	Slight
	Required Flash Time	
	Porous Substrates	10-20 minutes
	Non-Porous Substrates	30-60 minutes
	Working Time	2 hours
	Color	White
Chemical Properties	Density (lbs/gallon)	8.3
	Freeze/Thaw	Do Not Freeze
	Chemistry Type	Acrylic
	Adhesive Type	Permanent PSA
	VOC	0**
	Solvent Free	Yes

* Dry, above-grade applications only
 ** As calculated per SCAQMD Rule 1168

- Do not use this product when the substrate temperature is below 65°F (18°C) or above 95°F (35°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.
- 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 A495 AERO™ may be used over any properly prepared gypsum-based underlayments, but only in dry, above-grade applications.
- Cannot be used over substrates that have been chemically cleaned.
- Do not allow product to freeze, protect from freezing.
- Asphalt-based or cutback adhesive stains must be removed completely or encapsulated using Bostik Encap-Cote.

PACKAGING

LOCK A495 AERO™ is available in 22-oz. cans, 6 cans per case, 96 cases per pallet.

COVERAGE

Ensure proper adhesive coverage. Most resilient flooring types require >95% transfer. Coverage rates listed below are suggested to ensure proper bond by flooring type 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).

COVERAGE RECOMMENDATIONS

LVT, LVP & Sheet Vinyl: 140–160 square feet per can
VCT: 160–185 square feet per can

CAUTION

CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. MAY IRRITATE EYES, SKIN, AND RESPIRATORY TRACT. Do not get in eyes, on skin, or on clothing. Do not breathe fumes. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 122°F. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area.

NOTE: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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, 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 EXPRESSED 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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