



Vinyl-Grip™ 90

PREMIUM PRESSURE SENSITIVE ADHESIVE

KEY FEATURE

- High tacking formulation
- Releasable or tenacious permanent bond
- Bonds up to 90%RH & 10.0 pH

DESCRIPTION

Vinyl-Grip™ 90 is a moisture resistant, high tack, water-based adhesive specifically formulated for the installation of most resilient flooring in residential and commercial applications. Vinyl-Grip™ 90 is a 0-VOC formulation (as calculated per SCAQMD Rule 1168). Vinyl-Grip™ 90 flashes off quickly, but has a long working time. It displays tenacious bond strength and is specially formulated to be highly resistant to plasticizer migration and staining. Vinyl-Grip™ 90 has been formulated with exceptional application properties including excellent trowelability, fast tack/grab, low odor, and easy clean up.

ULTIMATE VERSATILITY

Vinyl-Grip™ 90 may be used for bonding vinyl (sheet, tiles or planks), in residential or heavy commercial applications. It may be used over properly prepared concrete, APA grade plywood, or gypsum underlayments in above-grade applications, as well as radiant heat.

MOISTURE & ALKALI RESISTANCE

Vinyl-Grip™ 90 is resistant to moderate amounts of moisture vapor and alkaline conditions. Always measure the in situ RH of concrete slabs in accordance with ASTM F-2170, and test the pH of the slab. Vinyl-Grip™ 90 may be used on slabs with elevated moisture up to 90% RH and 10.0 pH.

LEED® CONTRIBUTION

Vinyl-Grip™ 90's 0 VOC formulation (as calculated per SCAQMD Rule 1168), 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.



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. Therefore, always do a test area to ensure proper bonding and adhesive spread rate, 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 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. Please refer to the "Installation" section below for proper installation methods when using these moisture vapor barrier coatings.

PLEASE NOTE: Concrete substrate should NOT be smooth and reflective; it 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

Spread Vinyl-Grip™ 90 evenly with the proper trowel as described below. Open time is influenced by substrate porosity and atmospheric conditions (i.e. temperature, humidity, and air movement). For best results maintain adhesive, floor covering, and room at a stable temperature of 65°F – 85°F (18°C – 30°C) continuously for 48 hours before and after installation. Relative humidity must be maintained between 45-65%. Follow manufacturer recommendations for rolling and/or cross-rolling the flooring during installation.

Applications Over D-250™ or Slab-Cote™ Moisture Vapor Barrier Coatings: Vinyl-Grip™ 90 must not be installed directly over D-250™ or Slab-Cote™. A 1/8" thick minimum cementitious blotter layer is required prior to installation. Refer to the technical data sheet for this product for proper application instructions.

CURE TIME

Temperature, humidity and substrate porosity affect the flash time and working time. The higher the temperature, the lower the humidity, and the more porous the substrate, the faster the flash time and working time. Flooring may be installed when the adhesive has flashed off sufficiently to prevent adhesive transfer to the fingertips, usually after 10-20 minutes. Always follow the flooring manufacturer's installation guideline. Flooring must be installed within the working time, up to 4 hours after flash time. Traffic: After 24 hours, light foot traffic may resume. Heavy traffic or rolling loads, including furniture placement, may occur after 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 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 exceed limitations stated above.
- Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 90% 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 directly over D-250™ or Slab-Cote™ Moisture Vapor Barrier Coatings. A 1/8" cementitious blotter layer must be installed on top of D-250™ and Slab-Cote™ prior to the application of Vinyl-Grip™ 90. Refer to product instructions or contact Bostik Technical Service.

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	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	Yes	
	Rubber	No	
	Cork	No	
	Carpet Tiles	No	
	PVC backings	No	
	Linoleum	No	
	Olefin-backed Vinyl	No	
	Cured Physical Properties	Time to light foot traffic	24 hrs
		Full return to service	72 hrs
Rolling Loads Capacity		Moderate	
Slab Moisture Limits		90% RH	
pH Resistance		10.0	
Uncured Physical Properties	Ease of Troweling	Extremely Easy	
	Odor	Slight	
	Required Flash Time	10-20 minutes	
	Working Time	4 hours	
	Color	Yellow	
	Density (lbs/gallon)	8.3	
	Freeze/Thaw	Do Not Freeze	
Chemical Properties	Chemistry Type	Acrylic	
	Adhesive Type	Pressure Sensitive	
	VOC*	0	
	Plasticizer Resistant?	Yes	
	Solvent Free?	Yes	
	Flash Point	>212°F	
% Solids	60%		

* As calculated per SCAQMD Rule 1168

** Dry, above-grade applications only

- Vinyl-Grip™ 90 is not designed for use under oil-based linoleum.
- 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.
- 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.
- Vinyl-Grip™ 90 may be used over gypsum-based underlayments, but only in dry, above-grade applications.

PACKAGING

Vinyl-Grip™ 90 is available in 4 gallon 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% coverage. Trowel sizes listed below 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

MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not get in eyes, on skin or on clothing. Do not breathe fumes. 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 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

