



# PowerElastic™

## PREMIUM RESILIENT FLOORING ADHESIVE

### KEY FEATURES

- Exceptional bond strength
- Excellent for heavy traffic and rolling loads
- Plasticizer migration resistant

### DESCRIPTION

Bostik PowerElastic™ is a premium, high strength, solvent-free, single-component, water-based, acrylic adhesive specifically formulated for the installation of most resilient flooring. It is ideal for use in commercial applications with some of the most challenging backings to bond such as olefins. It displays tenacious early bond strength, and is specially formulated to be highly resistant to plasticizer migration and staining. PowerElastic™'s extreme shear strength and exceptional plasticizer migration resistance help prevent gapping between LVT (Luxury Vinyl Tile) and LVP (Luxury Vinyl Plank) tiles even when the flooring is subjected to direct sunlight exposure or temperature swings. PowerElastic™ has been formulated to exhibit a unique combination of application properties including extremely high shear strength, excellent trowelability, fast tack/grab, low odor, easy clean up, and a hard set to resist indentations from heavy rolling loads. Power Elastic™ is a 0-VOC formulation as calculated per SCAQMD Rule 1168. PowerElastic™ is formulated using special acrylic polymer emulsions and tackifiers that enable either “wet-set” or “transitional pressure sensitive” installation methods.

PowerElastic™ may be used for bonding LVT, LVP, sheet vinyl, rubber, carpet and pad, felt-backed linoleum, oil-based linoleum, fiberglass backed linoleum, and cork flooring, as well as rubber and vinyl stair treads and nosing. PowerElastic™ may be used over most properly prepared porous and non-porous surfaces, including concrete, APA grade plywood, cement board, cement-based patches/underlayments, terrazzo, and radiant heat systems. PowerElastic™ comes with 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 and mildew.

### 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. 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. Periodically lift away a section of the floor covering to assure that proper coverage is being attained.

### 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. Non-porous surfaces must be mechanically abraded. Surface areas requiring patching or leveling must be treated using Bostik UltraFinish™, Webcrete® 95™, or Webcrete® 98™ cement patches and/or Bostik SL-150™ Self-Leveling Underlayment. Refer to the technical data sheets for these products for proper installation.

Bostik D-250™ Moisture Vapor Barrier Coating or D-261™ Extreme Moisture Vapor Barrier Coating are recommended for installations where excessive moisture and/or alkalinity issues may exist or might occur from the concrete slab. Please refer to the “Installation” section for proper installation methods when using these moisture vapor barrier coatings.

PLEASE NOTE: Concrete substrate should NOT be smooth and

reflective; it must have a concrete surface profile of CSP 1-3 (similar to a light broom finish), as defined by ICRI (International Concrete Repair Institute, Guideline No. 03732). It is advisable to test for adequate substrate texture in several areas throughout the jobsite by sprinkling droplets of water onto the slab. The drops of water should show signs of penetrating the substrate within one minute. This is evidenced by a water stain on the concrete without a "domed" droplet. If no signs of water penetration are shown within one minute and "domed" droplets remain (similar to drops on a car hood) the substrate will need to be mechanically textured.

## INSTALLATION

Spread PowerElastic™ 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 – 75°F (18°C – 25°C) for 24 hours before and after installation. Relative humidity must not be greater than 75%. Refer to the suggested trowel and flash time chart below for suggestions specific to the type of floor covering you are installing. Follow manufacturer's recommendations for rolling and/or cross-rolling the flooring during installation. Periodically check back of floor covering to ensure >80% coverage of flooring materials backing.

**Applications Over D-250™ or D-261™ Moisture Vapor Barrier Coatings:** PowerElastic™ must not be installed directly over D-250™ or D-261™ without a 1/8" thick minimum cementitious layer. Refer to the technical data sheets for these products for proper application instructions.

## CURE TIME

Higher temperatures affect the rate of cure, the higher the temperature the faster the cure. Porosity of the substrate and flooring materials also affect cure times. Under normal conditions (70°F (21°C) and 50% RH), light foot traffic is acceptable after 8 to 10 hours; normal traffic after 24 hours.

## CLEAN UP AND STORAGE

As you work, immediately clean any adhesive from resilient flooring using a clean rag with soap and water. Immediately clean all tools and equipment before adhesive cures. Follow flooring manufacturer's recommendation for clean up. Use mineral spirits 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) for 24-48 hours, 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 by the flooring manufacturer.
- Test all concrete slabs for moisture per ASTM F1869 to determine the Moisture Vapor Emission Rate (MVER), or ASTM F2170 to determine RH. For slabs exceeding 5 lbs. per 1,000 sq. ft. (2,44 kg per 100 m<sup>2</sup>) per 24 hours or 80% RH, treat with Bostik D-250™ or D-261™ Moisture Vapor Barrier Coatings. Please refer to D-250™ or D-261™ Data Sheets.
- Do not use this product directly over D-250™ or D-261™ Moisture Vapor Barrier Coatings. A 1/8" layer of Bostik Webcrete®

95, Webcrete® 98, SL-150™, or UltraFinish™ with their proper primers must be installed on top of D-250™ and D-261™ prior to the application of PowerElastic™. Refer to product instructions or contact Bostik Technical Service.

- Do not use this product when the substrate temperature is below 50°F (10°C) or above 95°F (35°C) or when the relative humidity exceeds 75%.
- 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 24 hours.
- Prior to applying adhesive to rubber stair treads, lightly sand the entire back of the tread and nosing and wipe with denatured alcohol to remove any contaminants that may interfere with proper adhesion. This method does not apply to homogeneous recycled rubber flooring used for stair tread applications.
- Do not use PowerElastic™ over any gypsum-based materials.
- Test all concrete slabs for alkalinity per ASTM F710 to determine the pH level. For slabs exceeding 9 on the pH scale, treat with Bostik's D-250™ or D-261™ Moisture Vapor Barrier Coating. Please refer to D-250™ or D-261™ Technical Data Sheets.

## PACKAGING

PowerElastic™ is available in 4 gallon plastic pails.

## COVERAGE

Ensure proper adhesive coverage and transfer. Most resilient flooring types require >80% transfer. Trowel sizes listed below are suggested to maximize coverage of adhesive.

## SHELF LIFE

Shelf life is one year from date of manufacturing in unopened, original packaging at temperatures between 40°F – 90°F (5°C – 30°C).

## CAUTION

IRRITANT. MAY IRRITATE EYES AND SKIN. Do not get in eyes, on skin or on clothing. Do not breathe fumes. Do not swallow. Use with adequate ventilation. Wear protective clothing during handling. Wash thoroughly after handling. Keep container closed. Store container in a cool, dry area with lid tightly sealed.






## FIRST AID TREATMENT

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.

## KEEP OUT OF THE REACH OF CHILDREN

## ADHESIVE INSTALLATION METHOD

### Suggested Trowel and Flash Times for Various Flooring Materials

Smooth-backed Vinyl	Textured-backed Vinyl	Cork Tiles	Linoleum, felt-backed or fiberglass-backed	Carpet & Pad (Direct or Double Stick)
Coverage: 216 ft <sup>2</sup> per gallon	Coverage: 128 ft <sup>2</sup> per gallon	Coverage: 128 ft <sup>2</sup> per gallon	Coverage: 128 ft <sup>2</sup> per gallon	Coverage: 128 ft <sup>2</sup> per gallon
Flash Time 10–40 min	Flash Time 10–40 min	Flash Time 10–15 min	Flash Time 0 min	Flash Time 10 – 40 min
 1/16" X 1/16" X 1/16" Square Notch	 3/32" X 3/32" X 3/32" Square Notch	 3/32" X 3/32" X 3/32" Square Notch	 3/32" X 3/32" X 3/32" Square Notch	 3/32" X 3/32" X 3/32" Square Notch

Trowel size is suggested to maximize coverage of adhesive. Periodically lift flooring to ensure at least 80% transfer to the back of the flooring product. Uneven subflooring may require the use of a leveling/patching material.

## CHEMICAL & PHYSICAL PROPERTIES

<b>Use Environments</b>	Residential	Yes
	Offices/Light Commercial	Yes
	Heavy Commercial	Yes
	Hospital	Yes
	Hospitality	Yes
	Exterior	No
	Wet Areas	No
<b>Substrates</b>	Concrete	Yes
	Plywood	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Prepared Metal	Yes
	Asphalt	No
<b>Flooring Types</b>	LVT and LVP	Yes
	PVC, Sheet	Yes
	VCT	Yes
	Olefin-backed Vinyl	Yes
	Rubber	Yes
	Oil Based Linoleum	Yes
	Fiberglass-backed Linoleum	Yes
	Felt-backed Linoleum	Yes
	Cork Tiles	Yes
	Carpet and Pad	Yes
<b>Cured Physical Properties</b>	Dry Time	24 hrs
	Shore Hardness	A55   D12
	Rolling Loads Capacity	Heavy
	Slab Moisture Limits	5 lbs CaCl/80% RH
	pH Resistance	5 to 9 pH
<b>Uncured Physical Properties</b>	Ease of Troweling	Extremely Easy
	Odor	Slight
	Working Time	25–30 min
	Color	Off-White
	Density (lbs/gallon)	10.4
	Freeze/Thaw	If frozen, heat to 75°F (24°C) for 24 hrs and mix well
<b>Chemical Properties</b>	Chemistry Type	1-Part Acrylic
	Adhesive Type	Transitional PSA
	VOC	0
	Plasticizer Resistant	Yes
	Solvent Free	Yes
	Flash Point	>200°F (93°C)
	% Solids	70%

### LIMITED WARRANTY

Limited Warranty found at [www.bostik-us.com](http://www.bostik-us.com) 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.**  
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