

# RampStar™

XLBrands®

CMP FORMULATED TECHNOLOGY



## CEMENT-BASED SCREEDING, RAMPING AND PATCHING COMPOUND

RampStar™ is an interior, quick-setting underlayment with excellent workability that makes screeding, ramping or patching fast and easy. RampStar™ can be used over concrete, terrazzo, ceramic or quarry tile, epoxy coatings, non-water-soluble adhesive residue and approved wood subfloors. Installation of common floor coverings using water-based adhesives can proceed as soon as RampStar™ is hard enough to work on without damaging the surface. Moisture sensitive adhesives can proceed after 16 hours of application.

### KEY FEATURES

- Can be used as an interior wear surface with the application of a suitable coating
- Exceptional compressive strength
- Tenacious adhesion

### PRODUCT FEATURES

- Can be applied over approved wood subfloors as directed
- Compatible with adhesives approved for use on concrete
- Can be re-tempered without the addition of water
- Install flooring in as little as one hour after installation
- Applies from a skimcoat to 2" (5.1 cm) neat and up to 5" (12.7 cm) properly extended
- Ideal basecoat for resilient flooring in heavy service environments, hospitals, supermarkets
- Contributes points to LEED® certified projects

### SUBSTRATE PREPARATION, MIXING & PRIMING BY SUBSTRATE

**GENERAL NOTE:** RampStar™ is not a vapor barrier, but it is insensitive to moisture from unabsorbed water of convenience in cured concrete. Moisture testing should be completed using test methods ASTM F1869 (for MVER) and ASTM F2170 (for RH). If levels exceed the maximum allowed by the coating, adhesive or flooring manufacturer's product that will be installed, a LockDown™ application is required.

ALL surfaces must be clean, sound, dry, above 50°F (10°C) and free of oil, gypsum compounds, wax, grease, sealers, curing compounds, urethane, paint, asphalt, loose surface material or any contaminant that will act as a bond breaker. Never use acid or mastic removers on any surface to which an XL Brands product will be applied. On new concrete, always test for sealers and curing compounds which inhibit the bond. If sealers and curing compounds are present, they must be removed prior to applying RampStar™ by mechanical means.

#### CONCRETE: (ROUGH, OPEN & POROUS)

Preparation: Clean weak surfaces down to solid sound concrete by mechanical means.

**Priming:** Priming is not required for Skimcoat™ applications. For ramping or applications above 1/16" (1.59 mm), substrate should be primed using AS-100™. Apply one coat of AS-100™ diluted 50/50 (1 part water: 1 part AS-100™) using a split tip broom. Pour out and work into surface, leave no puddles or bare spots. Apply RampStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. If Primer has dried longer than 24 hours, a second coat of AS-100™ may be required.

**Mixing:** Use 4.5 to 5.5 quarts (4.2 to 5.2 liters) of clean, cold water per bag depending on desired consistency. Mix for 90 seconds until a lump-free consistency is achieved and place immediately.

**Thickness:** Skimcoat™ up to 2" (5.1 cm) neat, 5" (12.7 cm) extended (See EXTENSION).

**NON-POROUS:** (BURNISHED CONCRETE, EPOXY, TERRAZZO, CERAMIC AND QUARRY TILE)

**Preparation:** Abrade substrate to a dull finish, vacuum or mop to remove dust.

**Priming:** Apply one thin coat of AS-100™ (undiluted) using a 1/4" nap roller. Apply RampStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. If AS-100™ has dried longer than 24 hours, a second coat of AS-100™ may be required.

**Mixing:** Use 4.5 to 5.5 quarts (4.3 to 5.2 L) of clean, cold water per bag depending on desired consistency. Mix for 90 seconds until a lump-free consistency is achieved and place immediately.

**Thickness:** Skimcoat up to 2" (5.1 cm) neat, 5" (12.7 cm) extended (See EXTENSION.)

**WOOD:** (MIN. 3/4" [1.9 cm], L/360, UNTREATED, APA RATED, TYPE-1, EXTERIOR GRADE, PLYWOOD, OR OSB)

**Preparation:** Sand down to clean wood and secure loose boards with deck screws.

**Priming:** Apply one thin coat of AS-100™ (undiluted) using a 3/8" nap roller. Apply RampStar™ once AS-100™ is dry (minimum 1 hour) and up to 24 hours. If AS-100™ has dried longer than 24 hours, a second coat of AS-100™ may be required.

**Mixing:** Use 4.5 to 5.5 quarts (4.3 to 5.2 L) of PolyBond™ diluted 50/50 (1 part water: 1 part PolyBond™) per bag. Mix until lump-free and place immediately.

**Thickness:** Skimcoat to 1/4" (6.4 mm) and up to 3/4" (1.9 cm) in well defined areas up to 20ft² (1.86 m²).

**ADHESIVERESIDUE:**(THIN, TRANSLUCENT NON-WATER-SOLUBLE, FREE OF TACK AND WELL BONDED.)

Preparation: Prepare cutback using the wet scrape method as outlined in the Resilient Floor Covering Institute booklet "Recommended Work Practices for the Removal of Resilient Floor Coverings". Remove all patch material below the adhesive. If adhesive interreaction, migration or staining are a concern, install a 1/8" (3.2 mm) minimum of self-leveling underlayment as per that product's instructions.

Mixing: Use 4.5 to 5.5 quarts (4.3 to 5.2 L) of PolyBond™ diluted 50/50 (1 part water: 1 part PolyBond™) per bag. Mix until lump-free and place immediately.

Priming: No priming required.

Thickness: Skimcoat to 1/8" (3.2 mm) maximum.

**EXTENSION: 3/8" OR 3/4" (8.3 OR 19 MM) CLEAN, DRY AND GRADED BLUESTONE, GRANITE OR PEA GRAVEL**

Mixing: Mix RampStar™ as normal and then add up to 1 part aggregate to 2 parts RampStar™ by volume. Do not use sand or limestone. A paddle type mixer can be used to make larger applications more efficient. Mix until the aggregate is completely coated. If the aggregate is wet, you may have to reduce the amount of mix water accordingly to avoid over watering. Place the extended material immediately.

**INSTALLATION**

Skim Coating: Use a steel trowel to pull the material tight, forcing it into the surface while filling and smoothing minor voids and imperfections. If more build is required, float RampStar™ back over itself placing and finishing the material as needed to correct the substrate. Once the sheen flashes, ridges can be troweled down before the final set to avoid sanding or scraping.

Ramping/Screeing: Place the mixed material immediately. Use a trowel for small ramps or screed for larger ones. The unique consistency of RampStar™ allows you to simply pull the tool over the material without the side to side (sawing) action normally required with other materials. This leaves a true plane that can be finished with a steel trowel once the sheen has flashed. Do not re-temper the surface with water when finishing.

**RAMPING APPLICATION PRODUCT CALCULATION**

- Determine average thickness of ramp. For example, if you are going from a featheredge (0") to 1" (2.5 cm), the average thickness is 1/2" (1.3 cm). (Add the minimum thickness to the maximum thickness. Divide by 2 which gives you the average thickness).
- Determine square footage which is the width of the ramp multiplied by length of ramp.
- Divide the square footage by the average thickness amount listed below:
  - 1/8" (3.2 mm) Average: Divide by 50
  - 1/4" (6.4 mm) Average: Divide by 25
  - 1/2" (12.7 mm) Average: Divide by 12
  - 1" (2.5 mm) Average: Divide by 6
  - 1-1/2" (3.8 mm) Average: Divide by 4.5
  - 2" (5.1 mm) Average: Divide by 3

PHYSICAL PROPERTIES			
Packaging	50 lb. bag, 48 bags per pallet		
Color	Concrete Grey		
Shelf Life	12 months		
Storage	Store in cool, dry area at 70°F (21°C)		
Water Requirements	See specific mixing requirements under individual substrates		
Approx. Coverage: (50 lb. Bag)	1/16" (1.6 mm) covers 100 ft² (9.3 m²)		
	1/8" (3.2 mm) covers 50 ft² (7.0 m²)		
Installation Thickness	Skimcoat up to 2" (5.1 cm) neat, 5" (12.7 cm) extended		
	See specific thicknesses under individual substrates		
Installed Weight (Per Sq. Ft.)	2.20 lb. @ 1/4" (6.4 mm)		
Application Temperature Range	50°F to 95°F (10°C to 35°C)		
	Note: Cooler temperatures, higher humidity and inadequate ventilation can extend drying times		
Set: ASTM C191	Working Time: 20 minutes		
	Final Set: 30 Minutes		
Accepts Floor Covering:	Flooring installed with water based adhesive. As soon as RampStar™ can be worked on without damaging the surface.		
	Moisture Sensitive Adhesives Urethane and Epoxy - 16 hours		
	Note: PolyBond™, cooler temperatures, higher humidity and inadequate ventilation can extend drying times.		
Compressive Strength: (ASTM C109)	4 Hours	2000 psi	13.8 MPa
	1 Day	3000 psi	20.7 MPa
	28 Days	6000 psi	41.4 MPa
Flexural Strength (ASTM C348)	28 Days	>1,200 psi	8.28 MPa

## APPLICATION NOTES

- It is the responsibility of the contractor to review the complete technical datasheets of products referenced above as more detailed information may be required. The information provided above acts only as a general guideline and may vary based on jobsite conditions.
- Expansion or isolation joints and working cracks must be reflected through RampStar™.
- RampStar™ is self-curing. No wet curing methods or curing compounds should be used.
- If RampStar™ begins to set before it is applied, re-temper by mixing. Do not add additional liquid.
- On new concrete, always test for sealers and curing compounds which inhibit the bond. If sealers and curing compounds are present, they must be removed prior to applying RampStar™.
- Always refer to the TDS of any other product referenced for its full instructions and limitations.
- Do not use over materials containing asbestos.
- Do not use over gypsum-based substrates.

## ELIGIBLE LEED® CREDITS

Regional Materials

Low Emitting Materials

## STORAGE

Shelf life is one year from manufacturing date in unopened, original packaging. Must be stored in a cool, dry location, elevated (off the ground or floor) at temperatures between 40°F and 90°F (5°C and 32°C). Protect from moisture and excessive humidity. Do not expose to direct sunlight during storage.

## VOLATILE ORGANIC COMPOUNDS

0 g/L (as calculated per SCAQMD 1168)

## CLEAN UP

Clean tools with water immediately after use or by mechanical means once dry.

## HEALTH AND SAFETY

Always refer to the Safety Data Sheet (SDS) prior to use for proper handling, clean up and spill containment. SDS may be obtained by calling 706-508-5907.

## FOR PROFESSIONAL USE ONLY

## NOT LABELED FOR CONSUMER USE

## KEEP OUT OF REACH OF CHILDREN

## 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 / XL BRANDS HOTLINE

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