



UltraRamp™

PREMIUM PORTLAND CEMENT RAMPING PATCH

KEY FEATURES

- Applies from a skimcoat to 2" neat; 5" properly extended
- Install flooring in as little as one hour
- Ideal for screeding, ramping, patching & heavy skimcoating

DESCRIPTION

UltraRamp™ is a rapid setting, cement-based, ramping patch with excellent workability that makes screeding, ramping or patching fast and easy. UltraRamp™ can be used over concrete, terrazzo, ceramic or quarry tile, epoxy moisture vapor coatings, non-water soluble adhesive residue and approved wood subfloors.

PRODUCT FEATURES

- Ideal for screeding, ramping, patching & heavy skim coating
- Can be used as an interior wear surface with the application of a suitable coating
- Exceptional compressive strength
- Can be applied over approved wood subfloors as directed
- Compatible with all adhesives approved for use on concrete
- Can be re-tempered without the addition of water
- Mold and mildew resistant
- Install flooring in as little as one hour
- Ideal basecoat for resilient flooring in heavy service environments, such as retail stores, hospitals and schools
- Contributes points to LEED® certified projects

DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installation. Refer to www.bostik.com/us for the most recent product information and safety data sheet prior to installation.

SURFACE PREPARATION

GENERAL NOTE: UltraRamp™ is not a vapor barrier. Test substrate as per ASTM F-1869 for (MVER) and/or ASTM F-2170 for (RH%). If levels exceed those permissible by any component in the flooring system, apply a Bostik moisture vapor barrier coating (i.e. Bostik Slab-Cote™ or D-250™).



TYPICAL PHYSICAL PROPERTIES

Water Requirements	See specific mixing requirements under individual substrates
Approximate Coverage (50 lb. bag)	1/16" covers 100 ft ² 1/8" covers 50 ft ²
Installation Thickness	Skimcoat up to 2" neat, 5" extended. See specific thicknesses under individual substrates
Installed Weight (per ft ²)	2.1 lbs. @ 1/4" (5mm)
Application Temperature Range	50°F - 95°F (10°C - 35°C)
Set: ASTM C-191 [70°F (21°C) / 50%RH]	Working time: 20 minutes Final Set: 30 minutes
Install Floor Coverings [70°F (21°C) / 50% RH]	<ul style="list-style-type: none"> • Water-based adhesives: as soon as UltraRamp™ can be walked on without disturbing the surface. • Moisture sensitive adhesives (urethane or epoxy): 16 hours

Note: Cooler temperatures, higher humidity and inadequate ventilation can extend drying times.

STRENGTH RATINGS

Compressive Strength (ASTM C-109)	4 hours: 2,000 psi, 13.8 MPa 1 day: 3,000 psi, 20.7 MPa 28 days: 6,000 psi, 41.4 MPa
Flexural Strength (ASTM C348)	28 days: >1,200 psi, 8.28 MPa

This supersedes and replaces in its entirety all previously published versions of this document. T2339 (Last revised on 11.20.19)

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

CONCRETE (TEXTURED, OPEN & POROUS):

Preparation: Weak or contaminated surfaces must be cleaned down to solid, sound concrete by mechanical means such as chipping, shot-blasting, grinding or scarifying.

Priming: Priming is not required for skimcoat applications. For ramping or applications above 1/16", substrate should be primed using Bostik Universal Primer™ Pro. Apply one coat of Universal Primer™ Pro diluted 50/50 using a split tip broom. Pour out and work into surface, leave no puddles or bare spots. Apply UltraRamp™ once Universal Primer™ Pro is dry (minimum 1 hour) and up to 24 hours. If primer has dried longer than 24 hours a second coat of Universal Primer™ Pro may be required.

Mixing: Use 4.5 to 5.5 quarts 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" neat, 5" extended (See EXTENSION).

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

Preparation: Abrade substrate to a dull finish with the use of a 60 grit or larger sandpaper, vacuum or mop to remove dust.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply UltraRamp™ once Universal Primer™ Pro is dry (minimum 2 hours) and up to 24 hours. If Universal Primer™ Pro has dried longer than 24 hours a second coat of Universal Primer™ Pro may be required.

Mixing: Use 4.5 to 5.5 quarts 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" neat, 5" extended (See EXTENSION).

EPOXY MOISTURE VAPOR COATING (Bostik's Slab-Cote™ or D-250™)

Preparation: Sweep, vacuum, and wet mop to remove dust. DO NOT sand or abrade epoxy coating as this can compromise the performance of the coating.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply UltraRamp™ once Universal Primer™ Pro is dry (minimum 2 hours) and up to 24 hours. If Universal Primer™ Pro has dried longer than 24 hours a second coat of Universal Primer™ Pro may be required.

Thickness: Skimcoat up to 2" neat, 5" extended.

WOOD (MIN. 3/4", L/360, UNTREATED, APA RATED, TYPE-1, EXTERIOR GRADE, PLYWOOD)

Preparation: Sand down to clean wood and secure wood subfloor with deck screws.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply UltraRamp™ once Universal Primer™ Pro is dry (minimum 2 hours) and up to 24 hours. If Universal Primer™ Pro has dried longer than 24 hours a second coat of Universal Primer™ Pro may be required.

Mixing: Use 4.5 to 5.5 quarts of Bostik 425™ Multi-Purpose Acrylic Latex Admixture diluted 50/50 with clean, cold water per bag. Mix until lump free and place immediately.

Thickness: Skimcoat to 1/4" and up to 3/4" in well defined areas up to 20ft².

ADHESIVE RESIDUE (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 interaction, migration or staining are a concern, remove by mechanical means.

Mixing: Use 4.5 to 5.5 quarts of Bostik 425™ Multi-Purpose Acrylic Latex Admixture diluted 50/50 with clean, cold water per bag. Mix until lump free and place immediately.

Priming: No priming required.

Thickness: Skimcoat to 1/8" maximum.

EXTENSION: 3/8" OR 3/4" CLEAN, DRY AND GRADED BLUESTONE, GRANITE OR PEA GRAVEL

Mixing: Mix UltraRamp™ as normal and then add the aggregate up to 1 part 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.

MIXING

See specific mixing requirements under individual substrates.

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 UltraRamp™ 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/Screeding: Place the mixed material immediately. Use a trowel for small ramps or screed for larger ones. UltraRamp™'s unique consistency 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

1. Determine average thickness of ramp. For example if you are going from a feather-edge (0") to 1" the average thickness is 1/2" (add the minimum thickness to the maximum thickness. Divide by 2 which gives you the average thickness).

2. Determine square footage which is the width of the ramp multiplied by length of ramp.
3. Divide the square footage by the average thickness amount listed below:
1/8" Average: Divide by 50
1" Average: Divide by 6
1/4" Average: Divide by 25
1-1/2" Average: Divide by 4.5
1/2" Average: Divide by 12
2" Average: Divide by 3

LIMITATIONS

1. It is the responsibility of the contractor to review the complete technical datasheets of Bostik 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.
2. Expansion or isolation joints and working cracks must be reflected through UltraRamp™.
3. UltraRamp™ is self-curing, no wet curing methods or sealers should be used.
4. If UltraRamp™ begins to set before it is applied, re-temper by mixing. Do not add additional liquid.
5. On new concrete always test for sealers and/or curing compounds which inhibit the bond. If sealers and/or curing compounds are present they must be removed prior to applying UltraRamp™.
6. Always refer to the TDS of any other Bostik product referenced for its full instructions and limitations.
7. Do not use over materials containing asbestos.
8. Do not use over gypsum-based substrates.
9. UltraRamp™ is for interior use only.

CLEAN UP

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

PACKAGING

50 lb. bags; 48 per pallet

ELIGIBLE LEED® CREDITS

Total credits: 5
Recycled Content (MR 4.1 & 4.2), 2 Points
Regional Materials (MR 5.1 & 5.2), 2 Points
Low Emitting Materials (EQ 4.1), 1 Point

COLOR

Concrete Gray

DANGER

POISON. HARMFUL IF SWALLOWED. CORROSIVE. CAUSES BURNS. MAY PRODUCE ALLERGIC REACTION BY SKIN CONTACT. CANCER AGENT! EXPOSURE MAY PRODUCE CANCER CONTENTS HARMFUL. CAUSES BURNS. Do not swallow. Do not get in eyes. Do not get on skin or clothing. Keep out of reach of children. Handle with care. Wear a mask, rubber gloves, safety glasses.

FIRST AID TREATMENT

Contains quartz, Portland cement and vinyl acetate. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse well with water for 20 minutes. If on skin, rinse well with water. If on clothes, remove clothes.

SEE SAFETY DATA SHEET

STORAGE AND SHELF LIFE

Store in cool, dry area (70° F / 21° C) off the ground on a pallet. Tightly seal package and do not expose to sun. Shelf life is 12 months from date of manufacturing in unopened bags.

VOC

0 g/L (as calculated per SCAQMD 1168)

FLASH POINT

>200°F (>93°C)

LIMITED WARRANTY

Limited Warranty found at 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

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This document supersedes all previously published literature.