



# SL-200™

## ULTRA FLUID SELF-SMOOTHING UNDERLAYMENT

### KEY FEATURES

- Install from 1/8" to 1" neat
- Walkable in 2 to 3 hours
- Install floor covering in 6 to 16 hours

### DESCRIPTION

SL-200™ is an ultra fluid, self-smoothing underlayment used in preparation of finished floor coverings. SL-200™ can be installed at 1/8" using a gauge rake and smoothing tool. The ultra fluid, single lift application increases production over multi-coat patching methods and leaves a smoother surface. SL-200™ can also be installed as a self-leveling underlayment up to 1" when a flat or level subfloor is desired. This breakthrough formulation can be easily installed by one person, working alone, due to its long open time and superior flow rate.

Ceramic tile and stone can be installed 6 hours after SL-200™ is poured. Floor coverings such as carpet, VCT, Vinyl sheet goods, LVT, rubber and wood can be installed in as little as 16 hours.

### PRODUCT FEATURES

- Ideal for pumping and barrel mixing applications
- Very fast and easy to apply without the imperfections associated with hand patching
- Can be feather-edged to meet existing elevations
- Creates a super smooth surface ideal for sensitive floor coverings
- Maintains prolonged healing and pour merging properties for up to 45 minutes
- Suitable over sound concrete and well bonded VCT
- Install common flooring in as little as 16 hours
- Super fluid (up to 40% more fluid than traditional self-leveling)
- Contributes points to LEED® Certified Projects
- 21% recycled content

### DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installation. Refer to [www.bostik-us.com](http://www.bostik-us.com) for the most recent product information and safety data sheet prior to installation.



### TYPICAL PHYSICAL PROPERTIES

Water Requirements	6.5 quarts per 50 lb. bag
Approximate Coverage	1/8" covers 60 ft <sup>2</sup> 1/4" covers 30 ft <sup>2</sup>
Flow Cup (After 10 minutes)	16.3cm
Installation Thickness	1/8" up to 1"
Installed Weight (per ft <sup>2</sup> )	2.0 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]	Flow time: 40 minutes Final Set: 90 minutes

### STRENGTH RATINGS

Compressive Strength (ASTM C-109)	4 hours: 2,000 psi, 13.8 MPa 1 day: 4,000 psi, 31.0 MPa 28 days: 5,500 psi, 37.9 MPa
Install Coverings (After Final Set)	[70°F (21°C) / 50%RH] Adequate Ventilation Ceramic Tile & Stone: 6 hrs. Common Floor Coverings: 16 hours

### REQUIRED APPLICATION TOOLS

#### Standard Leveling:

- Mixing drum
- Mixing paddle
- Gauge rake
- Smoothing tool
- Measuring pail
- Split-tip broom / 3/8" nap roller
- 1/2" drill (minimum 650 rpm)

#### For 1/8" Applications:

- Gauge rake
- Rubber smoothing tool

Note: Depth of lift, cooler temperatures, inadequate ventilation and higher humidity can extend drying times.

## **SURFACE PREPARATION**

GENERAL NOTE: SL-200™ is not a vapor barrier. Moisture testing should be completed using test methods ASTM F-1869 for (MVER) and 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™, D-250™ or D-261™).

All surfaces must be clean, sound, dry, 50° F (10° C) and free of oil, gypsum compounds, wax, grease, sealers and/or curing compounds, 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. Substrate must have a minimum direct tensile bond test reading of 74 psi per (ASTM C-1583-04). If sealers and/or curing compounds are present they must be removed by mechanical means prior to application.

### **CONCRETE (TEXTURED, OPEN AND POROUS):**

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

Priming: Apply one coat of Universal Primer™ Pro diluted 50/50 (1 part water: 1 part Universal Primer™ Pro) using a split tip broom. Pour out or spray liberally and work into surface, leave no puddles or bare spots. Apply SL-200™ 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 will be required.

Thickness: 1/8" using rubber smoothing tools or 1/4" - 1" using standard leveling tools.

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

Preparation: Mechanically abrade substrate to a dull finish with the use of a 60 grit or larger sandpaper, shot-blasting or grinding, vacuum or mop to remove dust.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply SL-200™ 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 will be required.

Thickness: 1/8" using rubber smoothing tools or 1/4" - 1" using standard leveling tools.

### **EPOXY MOISTURE VAPOR COATING (Bostik's Slab-Cote™, D-250™ or D-261™)**

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 SL-200™ 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: 1/8" using rubber smoothing tools or 1/4"-1" using standard leveling tools.

### **WOOD (REQUIRES BOSTIMAT™ OR LATHE INSTALLATION)**

NOTE: Wood must be a minimum 3/4", untreated, APA Rated, Type-1, exterior grade plywood. The subfloor must be free of

deflection (maximum L/360), considering both live and dead loads. Use an approved anti-fracture membrane over SL-200™ where ceramic tile or stone are being installed.

Preparation: Prepare by sanding down to clean bare wood. Secure wood subfloor with deck screws and fill open seams with UltraFinish™ Pro, Webcrete® 98 or Webcrete® 95. Replace any weak or water damaged wood.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply BostiMat™ and SL-200™ 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 will be required.

Thickness: 1/4" - 1" using standard leveling tools.

### **ADHESIVE RESIDUE (THIN, TRANSLUCENT, NON-WATER SOLUBLE, FREE OF TACK AND WELL BONDED)**

Preparation: SL-200™ can be installed over thin (translucent) sound, non-water soluble adhesive residues that are free of tack and well bonded to the substrate. The adhesive cutback needs to be prepared 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 patching materials below the adhesive and avoid applications where heat or excessive moisture will soften or degrade the adhesive.

NOTE: If unsure of the suitability, deflection or heavy loads are expected, use application listed below for very distressed subfloors.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply SL-200™ 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 will be required.

Thickness: 1/8" using rubber smoothing tools or 1/4" - 1" using standard leveling tools.

### **VERY DISTRESSED SUBFLOORS (REQUIRES BOSTIMAT™ INSTALLATION): MUD BEDS, LIGHTWEIGHT CONCRETE, OVERWATERED CONCRETE**

Preparation: Remove all loose debris from subfloor. Sweep and vacuum substrate thoroughly.

Priming: Apply one coat of Universal Primer™ Pro diluted 50/50 (1 part water: 1 part Universal Primer™ Pro) using a split tip broom. Pour out and work into surface, leave no puddles or bare spots. Apply BostiMat™ and SL-200™ once Universal Primer™ Pro is dry (minimum 2 hours and up to 24 hours). If primer has dried longer than 24 hours a second coat of Universal Primer™ Pro may be required.

Thickness: 1/4" - 1" using standard leveling tools.

## **MIXING**

Mix 2-bag batches of SL-200™. For each bag add a maximum 6.5 quarts of clean, cold water into a mixing drum. Then, add bags of SL-200™ while mixing at full speed with a mixing paddle attached to a heavy duty 1/2" drill (min. 650 rpm). Mix for 2 minutes or until lump free. Add no additional water and keep the mixing paddle immersed in the material to avoid entraining excess air.

## INSTALLATION

**Self-Smoothing - 1/8":** After mixing, pour SL-200™ out in a continuous band, while maintaining the shortest wet edge possible. Spread the SL-200™ with a gauge rake at a 90° angle to the substrate for 1/8" application. Then use a rubber smoothing tool held at a 45° angle to the substrate for 1/8" applications. Disperse into all areas and allow the material to flow out for several minutes before finishing. Wearing cleats, walk into the material and smooth in an overlapping pattern using the rubber finishing tool. Pour subsequent mixes up against finished material without leaving voids or gaps and repeat.

**Self-Leveling: 1/4" - 1":** After mixing pour SL-200™ out in a continuous band while maintaining the shortest wet edge possible. Spread the SL-200™ evenly with a gauge rake. Wearing cleats, walk into the raked material and finish with overlapping passes using a smoothing tool. Pour subsequent mixes up against finished material without leaving voids or gaps.

## PUMPING

Deep placements and large projects are more efficiently installed with the use of a pump. Contact Bostik Technical Service for instructions, recommended pumping procedures and approved equipment.

**NOTE:** During application and for first 24 hours prevent excessive air movement but maintain adequate ventilation and protect material from direct sunlight. These variables can cause uneven curing patterns, a false set, or cracking.

## GENERAL GUIDELINE

### FOR INSTALLING BostiMat™ WITH SL-200™:

**NOTE:** Review the complete BostiMat™ technical datasheets as more detailed information may be required. The information below acts only as a general guideline and may vary based on jobsite conditions. After Universal Primer™ Pro is dry to the touch, simply roll out BostiMat™ over the properly prepared and primed surface. Overlap all seams a minimum of 1" and cut to fit using scissors. A single layer of BostiMat™ can be used to reinforce Bostik self-leveling applications up to 1" thick. Mat installation does not need to be wrinkle free as the product breaks down into individual fibers after the self-leveling is placed.

Place a minimum of 1/4" of underlayment over Bostimat™. Once the mat is covered, gauge rake and work the underlayment in a crosshatch pattern. A porcupine or agitating roller may be required to properly disburse the fibers. Finish surface with a smoothing tool. When barrel mixing, do not drag the barrels over the BostiMat™. Bostik recommends the use of a hand truck, dolly or cart to transport material. A lane of masonite can also be laid from the mixing station to the placement area.

**NOTE:** BostiMat™ fibers should be visible on the surface of the cement after placement. Pouring or pumping the self-leveling back into already placed material will help in dispersing the fibers.

## LIMITATIONS

1. It is the responsibility of the contractor to review the complete technical data sheets 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 SL-200™.
3. Self-Smoothing - substrate variations can telegraph, apply enough material to achieve desired result.
4. Mixing - Add no additional water and keep the mixing paddle immersed to avoid entraining excess air.
5. Always refer to the technical data sheet of any other Bostik product referenced for its full instructions and limitations.
6. Do not use over materials containing asbestos.
7. During application and first 24 hours prevent excessive air movement and protect from direct sunlight.
8. SL-200™ is self-curing. No wet curing methods or sealers should be used.
9. Contact Bostik Technical for any application not specifically listed.
10. SL-200™ is approved 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

## COLOR

Gray

## ELIGIBLE LEED CREDITS

5 total points:  
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

## 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](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**  
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