



SL-Gyp™

HYBRID GYPSUM-BASED SELF LEVELING UNDERLAYMENT

KEY FEATURES

- Install from 1/4" to 2" neat
- Walkable in 3 to 4 hours
- Accepts floor covering in 2 days

DESCRIPTION

SL-Gyp™ is a premium, hybrid gypsum / cement-based, self-leveling underlayment that can be installed from 1/4" up to 2" thickness without extension. It is designed for use over distressed gypsum subfloors, light weight concrete, mud beds, structurally sound wood, adhesive residue and it is ideal for use on radiant or in-floor heating systems.

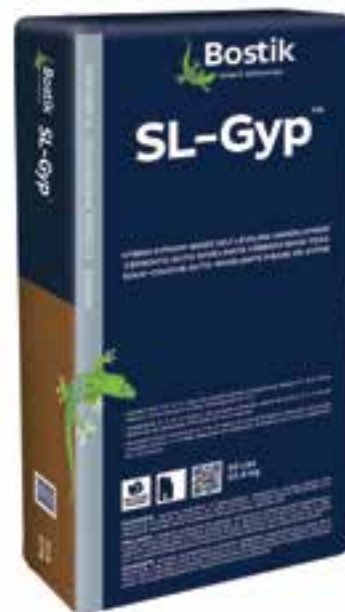
SL-Gyp™ can also be used for certain low-prep applications where shot-blasting and mechanically cleaning substrates cannot be done. SL-Gyp™ provides a strong durable substrate for floor coverings such as rubber, sheet vinyl and vinyl composition tile (VCT), luxury vinyl tile (LVT), or hardwood flooring.

PRODUCT FEATURES

- Ideal for pumping
- Maintains healing and pour merging properties for up to 20 minutes
- Exceptional compressive strength - 5,000 psi
- Suitable for use with in-floor hydronic and electric radiant heating systems
- Ideal for repairing distressed gypsum and sound plywood substrates
- Can be used over mud beds and lightweight concrete
- Ideal for low-prep applications
- Rapid strength gain
- 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-us.com for the most recent product information and safety data sheet prior to installation.



TYPICAL PHYSICAL PROPERTIES

Water Requirements	5 quarts per 50 lb. bag
Approximate Coverage	1/4" covers 22 ft ² 1/2" covers 11 ft ²
Flow cup (After 10 minutes)	13.8cm
Installation Thickness	1/4" up to 2" neat
Installed Weight (per ft ²)	2.2 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: 20 minutes Final Set: 60 minutes
Install Floor Coverings [70°F (21°C) / 50%RH]	48 hours minimum. (See Drying) Drying is a function of thickness, temperature, humidity, and jobsite conditions. Always conduct multiple tests to determine if underlayment is dry.

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

SURFACE PREPARATION

SUBSTRATE PREPARATION AND PRIMING BY SUBSTRATE:

GENERAL NOTE: SL-Gyp™ is not a vapor barrier and can only be used over dry substrates in areas that are not subject to moisture. Test substrate as per ASTM F-1869 for (MVER) and/or ASTM F-2170 for (RH%). If levels exceed 3 lbs (MVER), 75% RH, or 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, 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. 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 & POROUS)

Preparation: Weak 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-Gyp™ 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: 1/4" up to 2".

GYPSUM UNDERLAYMENT, LIGHTWEIGHT CONCRETE AND MORTAR BEDS:

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

Priming (requires two coats): The first coat should be diluted and applied at 1 part Universal Primer™ Pro: 3 parts water using a split tip broom. Pour out or spray liberally and work into surface, leave no puddles or bare spots. After initial coat is dry (30-60 minutes) apply the second coat of Universal Primer™ Pro using 1 part water: 1 part Universal Primer™ Pro and place using a split tip broom. Pour out or spray liberally and work into surface, leave no puddles or bare spots. Apply SL-Gyp™ 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 will be required.

Thickness: 1/4" up to 2".

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, shot-blasting or grinding, vacuum or mop to remove all dust.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply SL-Gyp™ 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" up to 2".

STRENGTH RATINGS

Compressive Strength (ASTM C-109)	4 hours: 1,000 psi, 6.9 MPa 1 day: 3,000 psi, 20.7 MPa 28 days: 5,000 psi, 34.5 MPa
Flexural Strength (ASTM C348)	28 days: >1,500 psi, 10.4 MPa

REQUIRED APPLICATION TOOLS

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

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-Gyp™ 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: 1/4" up to 2".

WOOD:

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

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. Subfloors must be minimum 3/4", untreated, APA Rated, tongue & groove, 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-Gyp™ in areas where ceramic tile or stone are being installed.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply SL-Gyp™ once Universal Primer™ Pro is dry (minimum 1 hour) 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" up to 2".

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

Preparation: SL-Gyp™ 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.

Priming: Apply one thin coat of Universal Primer™ Pro (undiluted) using a 3/8" nap roller. Apply SL-Gyp™ once Universal Primer™ Pro is dry (minimum 1 hour) 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" up to 2".

COVERAGE CHART (Units represent quantity of 50 lb bags)

Square Footage	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1-1/2"	2"
100 ft ²	5	7	9	12	14	16	19	28	37
500 ft ²	23	34	46	57	68	79	90	135	180
1,000 ft ²	46	68	91	114	137	160	183	275	366
2,000 ft ²	91	137	182	227	273	318	364	545	727
3,000 ft ²	137	205	273	341	409	477	545	818	1090
4,000 ft ²	182	273	364	454	545	636	727	1090	1453
5,000 ft ²	228	341	454	568	681	795	908	1362	1816
10,000 ft ²	455	681	908	1135	1362	1589	1816	2724	3632

(Coverages may vary depending on substrate conditions.)

MIXING

Add 5.0 quarts per 50 lb. bag of clean potable water to a Bostik mixing drum. Then, add bags of SL-Gyp™ while mixing at full speed with a mixing paddle attached to a heavy duty 1/2" drill (min. 850 rpm). Mix for 2-3 minutes or until lump free. Add no additional water and keep the mixing paddle immersed in the material to avoid entraining excess air.

INSTALLATION

Barrel Mixing: Pour the blended SL-Gyp™ on the floor immediately and disperse with a gauge rake followed by finishing with a smoothing tool. SL-Gyp™ will maintain its workability and healing for up to 20 minutes.

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.

DRYING

NOTE: Test as per ASTM D4263. Testing must be conducted under climatized conditions.

Finished floor covering materials can be installed after SL-Gyp™ has dried completely. Drying time will be a function of jobsite temperature, humidity, conditions, and installation thickness. Maintaining temperature and adequate ventilation will greatly aid in drying. After 48 hrs. place tests to check SL-Gyp™ for dryness. Tightly, duct tape all four sides of 18"x18" pieces of (3-4 mil) plastic in different locations. Do at least one for each 1,000 sq. ft. of area being tested. Let the tests sit undisturbed for 16 hrs. minimum, then lift the plastic and inspect for surface darkening. Darkening indicates moisture is still present and further drying time is required.

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 SL-Gyp™.

3. No wet curing methods or sealers should be used.

4. If SL-Gyp™ begins to set before it is applied, DO NOT re-temper by mixing or adding 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 by mechanical means prior to applying SL-Gyp™.

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. SL-Gyp™ is approved for dry interiors only.

CLEAN UP

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

PACKAGING

50 lb. bags: 48 per pallet

2,200 lb. super sacks: 1 per pallet

COLOR

Light gray

ELIGIBLE LEED CREDITS

1 total point:

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 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-us.com

