



SL-150™

Self-Leveling Underlayment

STUDY
WOOD

12'-2"

16'-2"

Repairs and levels uneven surfaces from featheredge to 1" thick

Polymer modified for extra strength

Sets in 4 hours; cement-based

Below, On and Above Grade Installations

0 VOC

Description

Bostik® SL-150™ is a high compressive strength, self-leveling, cement-based underlayment used to repair, smooth and level concrete as well as existing ceramic, terrazzo or approved plywood subfloors prior to the installation of carpet, vinyl, VCT, laminate, solid and engineered hardwood flooring, ceramic or natural stone. SL-150 is suitable for thicknesses from featheredge to 1" thick; from 1/2" to 5" thick when mixed as designed with pea gravel. Use on, above or below grade. Use SL-150 in smaller installations where it may be mixed by hand; or use underlayment pump to quickly cover large jobs.

Directions for Use

Read and understand data sheet and Tile Council of America (TCA) specifications completely before beginning installation. Follow applicable industry standards.

Surface Preparation

Prior to application, surface must be clean, dry, free from loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond. Mechanically roughen smooth or polished concrete, terrazzo or existing tile by scarifying or shot-blasting. A surface profile similar to a light broom finish or CSP 4 as defined by ICRI (International Concrete Repair Institute) is recommended.

SL-150 is very fluid once it is mixed. Prevent underlayment from seeping through holes in the floor. Pipes, holes and penetrations should be blocked or filled with caulking, grout, or fiberglass insulation prior to application. Treat control, expansion and isolation joints according to appropriate industry standards.

Installations over Plywood Using Stapled Lath:

Metal or "self furred" plastic lath may be used to reinforce floors constructed of 23/32" Exterior Grade Plywood Underlayment. Subfloor panels must be properly fastened and glued to joists or truss systems placed up to 19.2" on center in order to prepare for the installation of ceramic or porcelain tile as well as carpet, vinyl, or hardwood flooring. Prior to attaching lath, secure any loose floorboards with screws or 5D or 6D (1/2" or 2") cement coated screw shank nails.

Prime the subfloor with Bostik Universal Primer™ before fastening lath. Attach 2.5 lbs./yd. galvanized, expanded diamond metal lath, or "self furred" plastic lath by stapling approximately every 6 inches. Use a heavy-duty "hammer stapler" or a pneumatic staple gun. Adjacent pieces of lath should be butted together or overlapping approximately 1". Staples must penetrate the subfloor a minimum of 3/8". Lath may be applied while the primer is wet, by walking directly on the mesh. Plastic lath is preferred for installations involving electric floor warming systems. Install the lath perpendicular to the plywood. Be sure seams in the lath are offset from seams in the subfloor.

This stapled lath application is suitable for residential applications of ceramic and porcelain tiles. Deflection should not exceed L/360 (1" in 30 ft.).



Typical Physical Properties	
Heal / Wet Edge Time	20 minutes
Initial Set @ 70°F	1 hour 30 minutes
Final Set @ 70°F	2 hours
Compressive Strengths	
4 hours	1,500 psi
24 hours	3,500 psi
7 days	5,000 psi
28 day	5,500 psi
Coverage Rates (per 50 lb bag)	
	50 ft ² @ 1/8"
	25 ft ² @ 1/4"
	12 ft ² @ 1/2"

Lath is not required over double layer plywood floors greater than or equal to 1/8" thick, but will always improve the durability of installations, especially those with large spans or where deflection is noticeable. Refer to the instructions above for installation of lath.

Cutback Adhesive:

Cutback adhesive residue should be completely removed by scarifying or shot-blasting if solid wood flooring is being installed, if there are concerns with subfloor moisture, or where ceramic tile installations exceed "Light Commercial" service requirements as defined by the TCNA.

For installation of Carpet, Ceramic, Vinyl or Engineered Hardwood over cutback residue: Use a razor scraper or appropriate tool to remove thick build-ups of cutback adhesive using a wet scraping method. The remaining residue should resemble a transparent black stain on the concrete. Wet mop, sweep and vacuum the resulting cutback surface.

Priming

Prime all surfaces with Bostik Universal Primer. Follow instructions on the primer container. Allow the primer to dry until it is no longer tacky (2-4 hours) prior to applying underlayment. Universal Primer may be "broom applied", rolled, or sprayed.

If the primer is sprayed it must be "broomed" into the surface with a soft bristled broom so that pores are completely filled and there are no puddles. If the primer is allowed to sit for 24 hours or more, the floor must be re-primed prior to application of underlayment.

If Universal Primer is diluted and sprayed, two coats may be required to apply a sufficient amount, especially on porous surfaces. An insufficient amount of Universal Primer may cause "pin holes" to form in the underlayment.

Mixing

Mix 5-12 quarts of water per 50 lb. bag of SL-150. Always measure the water added. Do not mix by feel. Always add powder to the liquid. Mix with a high-powered drill at 500-1000 rpms using a

"Wagman WMP-30" or other appropriate mixing paddle. Mix to a liquid, creamy, lump free consistency. Spread as quickly as possible. For deep pours that require an increase in elevation from 1" to 5", SL-150 should be reinforced with clean dry pea gravel having an average diameter of 1/8" -3/8". Pea gravel should be mixed at 15 lbs. per 50 lb. bag of SL-150. Additional patching or smoothing may be required if pea gravel is added to the mix.

Application

Ambient and slab temperatures must be at least 50°F but not more than 95°F during and for 24 hours after application. SL-150 may be spread using a metal straight edge, finish trowel, squeegee or similar tool. Use an underlayment rake to remove air and smooth as necessary. Do not cover or bridge expansion or control joints.

On large jobs, best results are obtained when SL-150 is applied with an underlayment pump. When pumping, adjust the water meter to correspond with 5-1/2 quarts per bag of SL-150. Pump the mix directly on the floor. Spread and smooth as required with a long handled spreader, underlayment rake or appropriate tool.

Curing

Avoid excessive heat, cold or drafty conditions. Turn radiant heat systems off for a minimum of 7 days after the underlayment is poured. The floor may be exposed to light foot traffic in 4-5 hours. Do not damp cure. Do not apply sealers or curing compounds.

Cure/Dry time prior to installation of floor covering will vary depending on thickness of pour, temperature and humidity. Allow SL-150 to cure until the substrate meets the subfloor dryness requirements of the floor covering manufacturer.

Limitations

- All surfaces must be primed with Bostik® Universal Primer.
- For interior use only.
- Natural stone such as marble, limestone & travertine may not tolerate deflection in excess of L/720 (1" in 60 ft.). Refer to the Marble Institute of America Design Manual for details on specific types of stone.
- Cutback adhesive residue should be completely removed by shot-blasting in Heavy or Extra Heavy service requirements as defined by TCA guidelines for service requirements.
- If solid wood flooring will be glued to the cured underlayment, all cutback adhesive must be removed completely by shot-blasting prior to installing SL-150.
- Do not apply over luan, Masonite, particleboard, or similar unstable substrates.

- Do not use where hydrostatic pressure can occur.
- Do not cover or bridge expansion or control joints.
- Do not apply when temperatures will drop below 50°F or go above 95°F for 24 hours after application.
- Do not install flooring until the underlayment meets the subfloor dryness requirement of the flooring manufacturer and/or applicable industry standards.
- Do not use SL-150 as a wear surface.
- Do not use in areas of permanent moisture exposure.
- Do not apply over poured gypsum concretes such as Gypcrete.

Packaging

50 lb. bags. 40 bags/pallet.

WARNING: Exposure to dust may be irritating to eyes, nose, and throat. Silicosis may result from very high acute exposure or chronic exposure to silica dusts.

PRECAUTIONS: Avoid breathing dusts from this material. Remove dust fines from air or wear recommended respirator.

FIRST AID: Immediately flush eyes with plenty of water for at least 15 minutes. Wash affected area with mild soap and water. If irritation persists, get medical attention. If inhaled, remove the affected person to fresh air.

FOR INDUSTRIAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET

Limited Warranty

The Limited Warranty for this product can be obtained at www.bostik-us.com/resource-center/warranties or by calling 1-800-726-7845 (choose option 2, then option 2 again). TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. 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. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. 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.

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