

SL-150™ SELF-LEVELING UNDERLAYMENT

PRODUCT 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 sub-floors prior to the installation of carpet, vinyl, VCT, laminate, solid and engineered hardwood flooring, ceramic or natural stone. SL-150 is suitable for thickness from featheredge to 1" thick; or 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 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 application. Treat control, expansion and isolation joints according to appropriate industry standards.

INSTALLATIONS OVER PLYWOOD USING METAL LATH:

Metal lath may be used to reinforce installations of SL-150 when sub-floors are subject to deflection. It is acceptable to apply SL-150 over single layer plywood that is a minimum of 3/4" thick in conjunction with metal lath, where carpet, vinyl, or hardwood flooring will be installed. Prior to attaching lath secure any loose floorboards with 5D or 6D (1 1/2" or 2") cement coated screw shank nails.

Prime the sub-floor with Bostik Universal Primer™ before

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	1500 psi
• 24 hours	3500 psi
• 7 day	5000 psi
• 28 day	5500 psi

fastening lath. Attach 3.2 or 3.4 galvanized, expanded diamond metal lath by stapling approximately every 6 inches. Overlap adjacent pieces of lath, approximately 1". Lath may be applied while the primer is wet, by walking directly on the mesh.

Single layer plywood sub-floors do not meet Tile Council of America requirements for ceramic tile or natural stone installations.

APPLICATION OVER PLYWOOD FOR CERAMIC TILE

INSTALLATIONS: If the existing floor is less than 1" thick, glue and nail 15/32" or 1/2" APA Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood to the floor. Glue and nail using 5D or 6D (1 1/2" or 2") cement coated screw shank nails 6" on center along the panel edges and a maximum of 8" on center each way throughout the panel. Allow 1/8" gap between underlayment sheet edges and all areas that abut walls, drains, posts, etc. Clean and rough sand the plywood. Deflection should not exceed L/360 (1" in 30ft).

Metal lath is not required over double layer plywood 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 sub-floor moisture, or where ceramic tile installations exceed "Light Commercial" service requirements as defined by the TCA.

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 1/2 quarts of water per 50lb 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 500-1000rpms 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 50lb 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.

LIMITED WARRANTY

All statements, technical information and recommendations set forth herein are based on tests which Bostik Findley believes to be reliable. However, Bostik Findley does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sale of this product shall be on terms and conditions set forth on Bostik Findley's order acknowledgement. Bostik Findley warrants that the product conforms with Bostik Findley written specifications, and is free from defects. BOSTIK FINDLEY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER. THE BUYER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL BOSTIK FINDLEY BE LIABLE FOR DIRECT, INDIRECT, CONSEQUENTIAL, ECONOMIC, OR OTHER DAMAGES.

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 it the substrate meets the sub-floor dryness requirements of the floor covering manufacturer.

COVERAGE RATES (PER 50 LBS. BAG)

50 square feet @ 1/8"

25 square feet @ 1/4"

12 square feet @ 1/2"

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.
- Single layer plywood sub-floors do not meet Tile Council of America requirements for ceramic tile or natural stone installations.
- 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 oriented strand board (OSB), particleboard, Masonite, luaun, 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 sub-floor 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.



Middleton, MA 01949
800/7-BOSTIK or 800/726-7845

TECHNICAL SERVICE
800/523-6530

PLANT LOCATIONS

Temecula, CA 92590
Conyers, GA 30207
Twinsburg, OH 44087
Paulsboro, NJ 08066