

### 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 up 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

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.

#### TYPICAL PHYSICAL PROPERTIES

• Flow/Heal 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

**APPLICATION OVER PLYWOOD:** 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 30 ft.)

#### 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. If the primer is allowed to sit for 24 hour or more, the floor must be re-primed prior to application of 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 300-600 rpms. Mix to a liquid, creamy, lump free consistency. Spread as quickly as possible.

For increases in elevation of 1/2" to 5", SL-150 should be reinforced with clean dry pea gravel having an average diameter of 1/8" to 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 strait edge, finish trowel, squeegee or similar tool.

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 or appropriate tool.

## CURING

Avoid excessive heat 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.

## COVERAGE RATES (PER 50 LBS. BAG)

50 square feet @ 1/8"

25 square feet @ 1/4"

12 square feet @ 1/2"

## LIMITED WARRANTY

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## LIMITATIONS

- 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 oriented strand board (OSB), particleboard, Masonite, luaun, or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- All surfaces must be primed.
- 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 wood flooring until the underlayment meets the sub-floor dryness requirement of the wood-flooring manufacturer and/or NWFA requirements.
- 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. 50 bags/pallet.



## BOSTIK FINDLEY

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**TECHNICAL SERVICE**  
800/523-6530

## PLANT LOCATIONS

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