



# HI-FLO-SL SELF LEVELING GROUT



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## Technical Data Sheet

### **General:**

Self leveling floor system designed to level floors as an underlayment to place tiles or other finishes that can be stained or sealed to use as a finish surface. Use over concrete or properly prepared wood systems from 1/8 to 2 inches. Prepare the substrate and use the system's polymer bonding adhesive prior to installation. Product eliminates high and low spots to provide a seamless leveled floor on interior areas.

### **Surface preparation:**

Proper floor preparation is key to a successful application. Concrete floors must be at least 28 days old. All smooth areas such as hard trowel finishes must be roughened to provide some mechanical bond. Pressure clean area and use acid etching or cleaner suitable to open pores, remove all laitance, contamination, oil and dirt. If using acid, neutralize areas after with a solution of one tablespoon baking soda per gallon of water, wash off solution with garden hose or vacuum all areas and allow to air dry, then apply the bonding agent.

### **Mixing:**

Stir well and apply a thin coat of bonding agent (undiluted) and let dry. Mix each Pail/Bag by placing 5 quarts of cool potable mix water in a clean bucket then slowly add the powder while mixing with a drill mixer or suitable equipment to a lump free mix. Place by pump or if by hand, let mixture stand for 1-2 minutes to let it bleed all entrained air in the pot before placing.

### **Installation:**

Using a pre-set height squeegee, pour mate-

rial over bonded surfaces and screed to the desired height. Work in a continued pattern; mixing, pouring and finishing. Product will seek its own level in + or -5 minutes after it is poured and consolidated.

It may be necessary to lightly finish and correct entrapped air bubbles that may appear. Wear spike shoes to work finish. Allow surface to slightly set to apply light trowel or broom finish.

### **Product Limitations:**

Over wood floors that can deflect causing the underlayment to exceed its flexural limits. When installing don't allow cold joints greater than 5 minutes. Do not install on a hot floor in direct sunlight or in freeze-thaw conditions. Also, do not install thicker than 2" or exceeding mix water. After installation protect and **cure** work by water fog, blankets or chemical curing agent for 24 hours.

### **Package Coverage:**

Each 50# unit will yield .45 Cu/Ft  
Use approved EVA type bonding agent.

### **Applicable Standards:**

#### Compressive strength:

##### ASTM C-109

1 day: 2500 psi  
3 days: 3000 psi  
7 days: 3500 psi  
28 days: 4500 psi

#### Flexural Strength:

ASTM C-78  
28 days: 800 psi

#### Shrinkage:

ASTM C-78  
Passed: (less than .004 air dry)



**Product Safety:**

Consult product Material Safety data Sheet for information on the safe handling of this material. Avoid breathing dust and prolonged skin contact. Use eye and skin protection specially when mixing the product. Keep away from children and pets and dispose of pails and unused product properly. Contains Portland cement and silica that can cause burns and respiratory irritation. Silica dust has been known to cause Silicosis with prolonged unprotected use. Wear respiratory protection when handling dry material and during mixing. Contains no organic hazardous components.

**Clean Up:**

Clean tools and equipment with a soap solution and rinse with clean water.

**Warranty:** When product is used according to directions and when properly used, warranty is limited to one year after product is supplied to the purchaser in its original container. Refund of the purchase price only if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on use and proper handling of these products. The purchaser agrees to assume all responsibility for installation, product selection, application, job warranties, use, transport and disposal of product Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor or direct or indirect and incidental or consequential damages related to the use or suitability of this product. No other warranties are implied. Transport and disposal of products and packaging is the responsibility of the purchaser and or end user. This product does not contain hazardous or controlled substances considered harmful to the environment. While we try to publish the most accurate information we reserve the right to correct mistypes and incorrect statements if discovered. If at any time you have doubts about the contents of any of our literature, you are encouraged to call us.

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