

The Pro's Choice Since 1936



**SAKRETE**

# Self Leveling Underlayment

Sakrete Self Leveling Underlayment is a polymer modified portland cement and gypsum based self leveling underlayment for interior applications. For use over concrete and wooden floors. Can be used under carpeting, vinyl sheet goods, ceramic tile, wood flooring, Vinyl Composition Tile, stone and other materials. This is an underlayment and is not designed as a direct wearing surface.

## SAFETY:

READ and UNDERSTAND the Material Safety Data Sheet (MSDS) before using this product. WARNING: Wear protective clothing and equipment. See HMIS block. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

## PREPARATION:

Floors must be solid, structurally sound and free from excessive movement. Floor must be free of all dirt, oil, grease, paints, sealers or any other substance that would interfere with bonding. Some concrete surfaces may require mechanical profiling by shotblasting or scarifying. Deep holes should be filled prior to application using Sakrete Fast Set Cement Patcher. Allow to cure for several hours before applying Self Leveling Underlayment. Do not bridge over existing expansion joints. When pouring on a concrete slab on grade, a vapor barrier such as polyethylene is recommended. When used over wooden flooring, metal lath is required. Do not use on wooden floors that are subject to moisture.

## PRIMING:

Prime the clean, dry concrete surface with Sakrete Bonder Fortifier. DO NOT DILUTE. Primer should be applied with a brush or roller in such a way as to ensure a uniform coating. Do not allow the primer to puddle. Porous surfaces and old concrete may require two coats. Allow first coat to dry completely before adding second coat. Allow primer to dry before applying Sakrete Self Leveling Underlayment (usually 1-3 hours depending on temperature and humidity). Apply Self Leveling Underlayment within 24 hours. Protect primer coat from foot traffic. If Self Leveling Underlayment is not applied within 24 hours it will be necessary to reapply the primer.

## MIXING:

Add dry material to approximately 6.5 quarts of clean water. Mix with a paddle mixer attached to a high torque ½" drill (650-1000) rpm for 2-3 minutes. Mix only the amount that can be applied in 15 minutes. For optimum application, the mix temperature should be 60-70° F at time of placement. The use of cold water in high temperatures and warm water in cold temperatures will help adjust mix temperature.

## PLACEMENT:

The substrate temperature should be between 40° and 90° F. Close windows and doors to minimize air flow. Divide the area into sections to permit continuous pours without cold joints. Pour material in a continuous stripe about 1 foot in width across the narrow section of the floor. Pour the next bag adjacent to the first pour. Continue successive pours in this manner until floor is covered. Do not trowel. A gauge rake should be used to insure proper and even thickness of the Self Leveling Underlayment. Material can be poured up to 1" in thickness. The material does not self-level as water would. It flows well but must be raked or pulled over the floor at the required depth. When pouring into itself it should be raked and smoothed to ensure a flat surface.

## CURING:

Protect from rapid excessive drying due to temperature and air movements. Do not use a curing compound.

## COVERAGE:

At 1/8" (3 mm) thick covers 50 - 60 Sq. Ft. (4.6-5.8 m<sup>2</sup>)  
At 1/4" (6 mm) thick covers 25 - 30 Sq. Ft. (2.3-2.8 m<sup>2</sup>)  
At 1/2" (12 mm) thick covers 12 - 15 Sq. Ft. (1.1-1.4 m<sup>2</sup>)

## STORAGE:

Shelf life is 1 year from date of manufacture when stored in a dry place.

## PACKAGING:

50 lb. (22.7 kg) bag UPC: 7-64661-10550-3

## TECHNICAL DATA:

Working time @ 70° F - 30 minutes

Set Time @ 70° F - ASTM C191

Initial set - 40 - 70 minutes

Final set - 1 to 1.5 hours

Compressive strength ASTM C 109

1 day 1,500 psi (10.3 MPa)

7 day 3,800 psi (26.2 MPa)

28 day 5,000 psi (34.5 MPa)

Flexural strength ASTM C348

28 day 900 psi (6.2 MPa)

Flexural strength ASTM C580

7 day 1,500 psi (10.3 MPa)

28 day 1,800 psi (12.4 MPa)

Tensile strength ASTM C190

28 day 600 psi (4.1 MPa)

Wet Density 128 lbs./ft<sup>3</sup> (2050 kg/m<sup>3</sup>)

Modulus of Elasticity ASTM C 469

28 day 1.8 x 10<sup>6</sup>

REV 6-11

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10550

## ENVIRONMENTAL ADVISORY:

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

**WARNING! CAUSES IRRITATION -**  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Exposure may result in irritation of the skin, eyes or nasal passages from alkali in Portland cement. When wet, contact with the skin or eyes may result in irritation or burns. **FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get prompt medical attention; for skin, wash thoroughly with plenty of soap and water. If irritation persists, get medical attention. **WARNING!**  
**HARMFUL IF INHALED -** Avoid breathing dust. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen.

## LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the date the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective product or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

The SAKRETE Companies  
866-SAKRETE  
866-725-7383  
www.sakrete.com