



SAKRETE SELF LEVELING UNDERLAYMENT

SAKRETE Self Leveling Underlayment is a cement-based, pre-blended, self-leveling underlayment material. It is designed to help level surfaces such as interior concrete, plywood or other approved floor surfaces, prior to the installation of resilient flooring. This product is designed for applications varying from 3 mm (1/8") up to 25 mm (1") in a single pour. Cured SAKRETE Self Leveling Underlayment can be opened to foot traffic in approximately 6 hours.

FEATURES & BENEFITS

- Very flowable; easy to apply
- Ready-to-use; just add water
- Seeks its own level condition and flattens interior floors
- Ready for ceramic tile or stone in 24 hours
- Ready for other types of flooring in 2 to 3 days
- Can be used in conjunction with radiant floor heating systems

USES

- For leveling residential and commercial, interior floors, prior to the installation of resilient flooring
- For the following, suitable substrates: concrete that is sound, has cured for a minimum of 28 days and is free from hydrostatic pressure; exterior-grade plywood; ceramic tile
- For the following, suitable floor coverings: ceramic tile and natural stone; engineered or natural hard wood; carpet; vinyl; laminate

PROCEDURES

General: Block doorways and perimeter of the pour area with foam strips or other means, to prevent underlayment from flowing into adjoining rooms.

Surface Preparation (Concrete): Concrete surface should be solid, structurally sound and rough, to help ensure proper bonding of the underlayment. Some concrete surfaces may require mechanical profiling by shot-blasting or scarifying. See International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) #3 for an acceptable level of roughness. Fill deep holes with SAKRETE fast-patch and allow to cure for 3 hours before applying SAKRETE Self Leveling Underlayment. Thoroughly clean floor to ensure it is free of all dirt, oil, grease, paints, sealers, debris or any other substance that may interfere with bonding. Prime the floor with SAKRETE Concrete Adhesive using a roller, and apply SAKRETE Self Leveling Underlayment while the primer is still tacky.

Surface Preparation (Plywood): Exterior-grade plywood should be solid, structurally sound and meet all industry guidelines. Thoroughly clean floor to ensure it is free of all dirt, oil, grease, paints, sealers, debris or any other substance that may interfere with bonding. Prime the floor with SAKRETE Concrete Adhesive using a roller, and apply SAKRETE

Self Leveling Underlayment while the primer is still tacky. A metal lath, meeting the requirements of ASTM C 847, must be installed over the primed plywood prior to the installation of the underlayment.

Surface Preparation (Ceramic Tile): Ceramic tile should be solid and structurally sound. Thoroughly clean floor to ensure it is free of all dirt, oil, grease, paints, sealers, debris or any other substance that may interfere with bonding. Prime the floor with SAKRETE Concrete Adhesive using a roller, and apply SAKRETE Self Leveling Underlayment while the primer is still tacky.

Mixing: Add 4.5 L (1.18 US gallons) to 4.7 L (1.24 US gallons) of cool, potable water into a clean mixing container. Slowly empty the 22.7 KG (50 lb) bag of SAKRETE Self Leveling Underlayment into the mixing container while mixing with a heavy-duty, 13 mm (1/2") electric drill and an "eggbeater" mixing paddle. After all of the powder has been added, thoroughly mix the material for 2 minutes.

Placing: Prior to pouring, be sure to close all doors and windows, and turn off HVAC systems, until the underlayment has cured. Divide the area into sections to permit a continuous pour without cold joints. Pour material in a continuous strip about 30 cm (1 ft) 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 the floor is covered. Spread the material using a gauge-rake, over the entire surface, to ensure that the proper thickness is achieved.

CURING

Allow newly placed material to set until surface is hard to the touch. Under most conditions, SAKRETE Self Leveling Underlayment requires no special curing. Substrate and ambient room temperatures must be between 10 °C (50 °F) and 30 °C (86 °F) during application and for at least 2 days after installation.

TECHNICAL DATA

Flow Time	15-20 minutes
Density	2,110 kg/m ³ (130 lb/ft ³)
Set Time	2-3 hours
Final	
Compressive Strength	
7 Day	20 MPa (2900 psi)
28 Day	30 MPa (4350 psi)
Flexural Strength	
28 Day	8.0 MPa (1150 psi)



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Installation Time

Before Tile or Stone Typically 24 hours
Before Other Floor Coverings Typically 2-3 days*

*Consult the manufacturer of the floor covering for more specific information regarding the installation time after pouring the underlayment.

OPTIMUM PERFORMANCE

- Use in dry, interior areas only. Do not use when hydrostatic pressure is present.
- Do not use product as a wearing surface. Resilient flooring must be installed over the underlayment.
- Do not use for surfaces that require a slope for drainage.
- Substrate and ambient room temperatures must be between 10 °C (50 °F) and 30 °C (86 °F) during application and for at least 2 days after installation.
- Do not install SAKRETE Self Leveling Underlayment over particle board, chipboard, hard wood, Lauan, Oriented Strand Board (OSB), metal, vinyl, fiberglass or plastic.

YIELD

22.7 KG (50 lb) bag yields approximately 0.013 m³ (0.46 ft³).

Thickness	Coverage
3 mm (1/8")	4.30 m ² (46 ft ²)
6 mm (1/4")	2.15 m ² (23 ft ²)
13 mm (1/2")	1.05 m ² (11 ft ²)
25 mm (1")	0.52 m ² (5.6 ft ²)

PACKAGING

22.7 KG (50 lb) bag

UPC

055226001225

STORAGE & SHELF LIFE

Material should be stored in a dry, covered area, protected from the elements. Unopened bags have a shelf life of 12 months.

SAFETY PROCEDURES

CAUSES BURNS. Do not swallow. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Handle with care. Keep out of reach of children. Wear safety glasses, protective clothing and dust mask. Use only in a well-ventilated area.

FIRST AID TREATMENT

Contains cement, when wet forms a calcium hydroxide solution. If swallowed call a poison control center or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for at least 15 minutes. If on skin, rinse well with water. If on clothes remove clothes. If breathed in, move person to fresh air.

WEBSITE

For more information and other projects, visit us at www.sakretecanada.com or call us at 866-725-7383.

Warranty: This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade. [REV.0003_07/18/19]

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