

## SAKRETE ICF 5000

SAKRETE ICF 5000 is a cement-based, pre-blended material, specifically designed for finishing Insulated Concrete Form (ICF) block walls or other Expanded Polystyrene Surfaces (EPS). This product is a one-component material that requires only the addition of water. It is designed to be applied to above-grade portions of ICF foundation walls with a maximum, single coat thickness of 3 mm (1/8")\*.

### FEATURES & BENEFITS

- Easy troweling and smooth finishing allows for simple embedment of fiberglass mesh
- Excellent bonding to ICF walls or other EPS surfaces

### USES

- Parging or coating above-grade ICF walls, to protect EPS from weathering and UV degradation

### PROCEDURES

Mix and substrate temperatures should be maintained between 5 °C (40 °F) and 30 °C (86 °F) for at least 24 hours prior to and 48 hours after application. Avoid applying SAKRETE ICF 5000 in direct sunlight or when winds exceed 25 km/hour (15 mph). Protect from precipitation for 24 hours after application.

**Mixing:** Add 3.7 L (0.98 US gallons) to 3.9 L (1.03 US gallons) of cool, potable water into a clean mixing container. Slowly empty the 22.7 KG (50 lb) bag of SAKRETE ICF 5000 into the container while mixing with a heavy-duty, 13 mm (1/2"), electric drill and mixing paddle. After all of the powder has been added, thoroughly mix the material for 3 minutes.

**Placing:** Apply a 3 mm (1/8") coat of SAKRETE ICF 5000 using a stainless steel trowel, directly to the ICF wall. Immediately embed alkali-resistant fiberglass mesh into the first coat, ensuring that the mesh joints overlap by a minimum of 65 mm (2½") and that the mesh is doubled at all corners as well as corners of openings (e.g. windows and doors). Apply additional 3 mm (1/8") coats of SAKRETE ICF 5000 as needed, in order to completely cover and embed the fiberglass mesh, up to a maximum total thickness of 9 mm (3/8")\*.

**Finishing:** For a smooth surface, use a stainless steel, wood, aluminum or magnesium trowel. For a textured surface, use a broom, brush or dry sponge.

### CURING

Under most conditions, SAKRETE ICF 5000 requires no special curing. Protect the surface of SAKRETE ICF 5000 with plastic if precipitation or winds in excess of 25 km/hour (15 mph) are expected within 24 hours after application. Mix and substrate temperatures should be maintained between 5 °C (40 °F) and 30 °C (86 °F) for at least 24 hours prior to and 48 hours after application.

### TECHNICAL DATA

**Initial Set:** Approximately 6 hours

**Compressive Strength:**

|               |                   |
|---------------|-------------------|
| <b>1 Day</b>  | 10 MPa (1500 psi) |
| <b>3 Day</b>  | 21 MPa (3000 psi) |
| <b>7 Day</b>  | 25 MPa (3625 psi) |
| <b>28 Day</b> | 34 MPa (5000 psi) |

### YIELD

22.7 KG (50 lb) bag contains approximately 0.013 m<sup>3</sup> (0.46 ft<sup>3</sup>).

| Thickness   | Coverage                                    |
|-------------|---|
| 3 mm (1/8") | 4.30 m <sup>2</sup> (46.0 ft <sup>2</sup> ) |
| 6 mm (1/4") | 2.15 m <sup>2</sup> (23.0 ft <sup>2</sup> ) |
| 9 mm (3/8") | 1.45 m <sup>2</sup> (15.6 ft <sup>2</sup> ) |

### PACKAGING

22.7 KG (50 lb) bag

### UPC

055226011255

### 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.king-products.com](http://www.king-products.com) or call us at 866-725-7383.

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**SAKRETE ICF 5000**  
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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.0001\_01/01/19]

**KING PACKAGED MATERIALS COMPANY**  
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