



**SIDER-CRETE, INC.**

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# **SIDER-PROOF ICF**

## **THE ULTIMATE POLYMER/MODIFIED FLEXIBLE WATERPROOFING COATING**

### **1.0 DESCRIPTION**

#### **1.1 General**

**Sider-Proof ICF** is a durable cementitious, waterproofing coating designed for application over Insulated Concrete Forms. It is a blended composition of Portland cement, sand, and proprietary admixtures. **Sider-Proof ICF** uses highly durable bonding agents and waterproofing agents.

**Sider-Proof ICF** is an environmentally friendly product containing NO solvents or toxic ingredients.

### **2.0 MATERIALS**

#### **2.1 Sider-Proof ICF**

**Sider-Proof ICF** comes packaged as an easy-to-use kit consisting of:

One 42 lb. (19 kg) bag of powder (Part A)

One 1.3 gallons / 5 liter container of resin (Part B)

### **3.0 SURFACE PREPARATION**

Insulated Concrete Form surface must be free of all bond-inhibiting materials, including dirt, efflorescence, release agents, grease and oils, and other foreign particles. Damages and indentation should be repaired and leveled. ICF surface shall be rasped in order to create a mechanical bond.

### **4.0 MIXING INSTRUCTIONS**

**ENSURE THAT THE MATERIAL IS STORED IN A COOL DRY PLACE IN THE SHADE. IF WARM MATERIAL IS MIXED, IT WILL SET VERY RAPIDLY.**

Shake well and pour the **Sider-Proof ICF** liquid (Part B) into a clean bucket and then add ½ bag of powder (Part A). Mix thoroughly with a drill and mixing paddle for 10 to 20 seconds. Then add the rest of the powder and mix no less than 5 minutes to yield a good plasticity and achieve a homogeneous mix.

Always pour the liquid component in first and then add powder while mixing for optimal results. Do not add any products in the mix, but you may add ½ to ¾ cup of clean potable water to achieve a desired workability. If adding water to the mix, ensure the water is cool and **not** directly from a hose exposed to the sun. Do not water-down the material too much as it will prevent the application of a nice thick coat. Do not re-temper the material, or use partially set or frozen material in the mix.

## 5.0 INSTALLATION

### 5.1 Application

Apply **Sider-Proof ICF** directly to the ICF surface in two cross coats with a waterproofing brush. The thickness of the applied material in two coats is approximately 1/8”.

Allow the first coat to dry to the touch prior to the application of the second coat but no more than 24 to 48 hours. Also, allow for a slight rough finish on the first coat to ensure an appropriate mechanical bond of the second coat. Repeat the same techniques for the second as with the first coat. After 12 to 24 hours of drying period for the second coat, you may use a medium/fine sand paper or sanding screen to smooth down any rough areas.

Allow **Sider-Proof ICF** to dry for 24 – 48 hours (depending on ambient temperatures) before backfilling or filling the tank with water.

**Note:** **Sider-Proof ICF** is manufactured with natural products. Final texture installed material may vary due its composition and variations in application tools and techniques, weather and lighting conditions, and other factors beyond the control of the manufacturer. Sider-Crete, Inc. assumes no liability for variations caused by conditions beyond its control Due to the natural ingredients which make-up **Sider-Proof ICF** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of the coating.

### 5.2 Limitations

Apply **Sider-Proof ICF** when surface and ambient temperature is above 45° F (8° C). Mist as necessary to prevent rapid drying of **Sider-Proof ICF** in high temperature applications. Do not apply to overheated, excessively dry or frozen substrate, in direct sunlight when possible, nor during periods of high winds. Due to the natural ingredients which make-up **Sider-Proof ICF** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Proof ICF**.

## 6.0 MISCELLANEOUS

### 6.1 Packaging

**Sider-Proof ICF Kit:** 42 lb. (19 kg) bag of powder (Part A)  
1.3-gallon (5 liter) container of resin (Part B)

### 6.2 Coverage

Each kit of **Sider-Proof ICF** covers approximately 65 to 75 square feet in two coats.

(Coverage is approximated and is given for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application techniques.)

### 6.3 Recommended Tools

**Drill:** DeWalt ½” drill, Type 3, 7.8 A / 450 rpm or similar

**Paddle:** Large square mortar paddle (not small paint paddle)

**Pail:** 5-gallon pail or larger

**Brush:** Large Paint Brush (4 inches recommended)

**Roller:** 9" shed-resistant fabric, 3/8" to 3 / 4"

#### **6.4 Storage and Shelf Life**

Shelter in a dry environment away from extreme heat, direct sunlight, rain, and freezing. Shelf life is 6 months in the original, sealed packaging properly sheltered in a dry environment.

#### **6.5 Technical Assistance**

For technical inquiries during normal business hours Contact Sider-Crete, Inc. at (1) **478-892-9800**.

#### **6.6 Professional Qualifications**

Installation shall be performed by contractors with documented experience in the application of waterproofing coating and/or approved by Sider-Crete, Inc. All applicators should be able to provide several references from general contractors, architects or other applicable references for review by Sider-Crete, Inc.

#### **6.6 Clean Up**

Clean tools and equipment after use, prior to drying with water. Clean up and remove all debris and materials from the site caused by the installation according to federal, state, and local regulations and dispose of waste in an approved landfill.

#### **6.7 Commercial Names**

##### **SIDER-PROOF ICF**

*And now, enjoy using **SIDER-PROOF ICF** and benefit from this revolutionary technology developed by Sider-Crete, Inc., innovative leaders in the construction industry since 1937.*

*While every effort has been made to be comprehensive and accurate, the publisher cannot accept any liability for omissions or errors. Users should contact Sider-Crete for the product(s) referred to in this specification to ensure that any information used to make decisions about the product is as up-to-date and complete as possible.*