



## **SIDER-PROOF FF / SIDER-PROOF FHF**

### **THE ULTIMATE POLYMER-MODIFIED FLEXIBLE & HIGHLY FLEXIBLE WATERPROOFING SYSTEM**

#### **1.0 DESCRIPTION**

##### **1.1 General**

**Sider-Proof FF** and **Sider-Proof FHF** are durable cementitious waterproofing coatings designed for application over concrete and masonry surfaces for above and below grade basement waterproofing; and as well for application in waterfalls and water-features and in fish and koi concrete ponds. They are a blended composition of Portland cement, sand, and proprietary admixtures. **Sider-Proof FF** and **Sider-Proof FHF** use highly durable bonding agents and waterproofing agents. Depending on the desired flexibility of the coating, you may choose **Sider-Proof FF (Flexible)** or **Sider-Proof FHF (Highly Flexible)**.

#### **2.0 MATERIALS**

##### **2.1 Sider-Proof FF and Sider-Proof FHF**

**Sider-Proof FF** comes packaged as 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)

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

One 55 lb. / 25 kg bag of powder (Part A)

One 4 gallons / 15 liter pail of resin (Part B)

#### **3.0 SURFACE PREPARATION**

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, release agents, grease and oils, and other foreign particles. Remove paint, loose or damaged materials by water blasting, sandblasting or mechanical wire brushing. Wash the surfaces to insure all bond inhibiting products, such as dust, have been removed. Damages and indentation should be repaired and leveled with Sider-Repair. Ensure that the substrate has been well dampened and allowed to slightly dry; to be humid but not wet to the touch, then the application of a primer/bonding agent - Sider-Resin M-50 – is recommended prior to the application of **Sider-Proof FF** and **Sider-Proof FHF**. All high stress areas and existing cracks will require reinforcing polyester mesh embedded in the first coat.

## 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 FF** or **Sider-Proof FHF** 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 approximately 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 the hose laid in 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

**IT IS RECOMMENDED TO APPLY THE MATERIAL EARLIER IN THE MORNING DURING COOLER TEMPERATURES, AS A HOT CONCRETE MAY FORCE THE MATERIAL TO SET TOO QUICKLY.**

### 5.1 Application

Apply **Sider-Proof FF** or **Sider-Proof FHF** on a masonry substrate in two cross coats. The thickness of the applied material in two coats will be a minimum of 3/16” and a maximum of 1/4” with each coat of equal thickness to ensure proper hardness. Apply the first coat with a paint roller and roll smoothly to obtain a smooth and even surface.

Do not roll over applied material that has already started to set, as it will damage it. Dip the roller directly into the mixing pail and do not use a roller pan. Allow the first coat to dry for approximately 24 hours (depending on ambient conditions) prior to the application of the second coat. Also allow for a slight rough finish on the first coat to ensure proper mechanical adherence of the second coat. Apply the second coat in the same manner as the first coat. Apply the second coat with a paint roller and roll smoothly. For details, corners, steps and edges, sponge floating may be used to render a smooth finish.

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

**Note:** **Sider-Proof FF** and **Sider-Proof FHF** are manufactured with natural products. Final texture of installed material may vary due to 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 FF** and **Sider-Proof FHF** 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 FF** and **Sider-Proof FHF** when surface and ambient temperature is above 45° F (8° C). Mist as necessary to prevent rapid drying of **Sider-Proof FF** and **Sider-Proof FHF** 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 FF** and **Sider-Proof FHF** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Proof FF** and **Sider-Proof FHF**.

## 6.0 MISCELLANEOUS

### 6.1 Packaging

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

**Sider-Proof FHF Kit:** 55 lb. (25 kg) bag of powder (Part A)  
4-gallon (15 liter) container of resin (Part B)

### 6.2 Coverage

Each kit of **Sider-Proof FF** covers approximately 60 square feet for both coats.

Each kit of **Sider-Proof FHF** covers approximately 150 square feet for both 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 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.

## **6.7 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.

## **6.8 Commercial Names**

**SIDER-PROOF FF**

**SIDER-PROOF FHF**

*And now, enjoy using **SIDER-PROOF FF** and **SIDER-PROOF FHF** 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.*