



**SIDER-CRETE, INC.**

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# **SIDER-PROOF AAC**

# **SIDER-PROOF HF AAC**

**THE ULTIMATE POLYMER/MODIFIED FLEXIBLE & HIGHLY FLEXIBLE  
WATERPROOFING COATINGS FORMULATED FOR AAC.**

## **1.0 DESCRIPTION**

### **1.1 General**

**Sider-Proof AAC** and **Sider-Proof HF AAC** are durable cementitious waterproofing coatings designed for application Aerated Concrete (AAC). It is a blended composition of Portland cement, sand, and proprietary admixtures. **Sider-Proof AAC** and **Sider-Proof HF AAC** use highly durable bonding agents and waterproofing agents. Depending on the desired flexibility of the coating, you may choose **Sider-Proof AAC (Flexible)** or **Sider-Proof HF AAC (Highly Flexible)**.

## **2.0 MATERIALS**

### **2.1 Sider-Proof AAC & Sider-Proof HF AAC**

**Sider-Proof AAC** 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 HF AAC** 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 AAC surfaces to insure all bond inhibiting products, such as dust, have been removed. Damages and indentation should be repaired and leveled with Sider-Block Patch AAC. Ensure that the substrate has been well dampened and allowed too 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 AAC** and **Sider-Proof HF AAC**. All high stress areas and existing cracks will require reinforcing polyester 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 AAC** or **Sider-Proof HF AAC** 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 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

### 5.1 Application

Apply **Sider-Proof AAC** or **Sider-Proof HF AAC** on the AAC surface in two cross coats. The thickness of the applied material in two coats is approximately 1/8". Apply the first coat with a paint roller, and roll smoothly to obtain a smooth and even surface. Dip the roller directly into the mixing pail; do not use a roller pan.

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 AAC** or **Sider-Proof HF AAC** to dry for 24 – 48 hours (depending on ambient temperatures) before backfilling.

### 5.2 Limitations

Apply **Sider-Proof AAC** and **Sider-Proof HF AAC** when surface and ambient temperatures are above 45° F (8° C) and below 95° F (35° C) during application and drying period. For application outside of these temperature ranges, please contact Sider-Crete, Inc. technical support for additional information. 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 AAC** and **Sider-Proof HF AAC** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Proof AAC** and **Sider-Proof HF AAC**.

## 6.0 MISCELLANEOUS

### 6.1 Packaging

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

**Sider-Proof HF AAC 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 AAC covers approximately 60 square feet in two coats.

Each kit of Sider-Proof HF AAC covers approximately 100 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" Sealer / polyurethane 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 **Toll Free: 888-743-3750**.

### 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 AAC**

**SIDER-PROOF HF AAC**

*And now, enjoy using **SIDER-PROOF AAC** and **SIDER-PROOF HF AAC** 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.*