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SIDER-CRETE, INC.

Designer & Manufacturer of the original Roll-On Pool Plaster!

POWERBASE ICF / SIDER PROOF FF

Product Data

Features and uses:

- Polymer modified white base coat for added flexibility and perfect adherence to ICF forms.
- A cement-based waterproofing system designed for waterproofing ICF surfaces such as:
- **Above & below-grade basements**
- **Water tanks**
- **Cisterns**
- **Water-features**
- **Ponds**
- Pre measured plaster kit for error free mixing
- Yields a smooth finish
- Water clean up

A cement-based, polymer modified, waterproofing cement-based system for ICF (Insulated Concrete Form) comprised of a flexible ICF mesh reinforced base-coat and a Roll-On Cement waterproofing finish.

Coverage:
60 sf /55 lb bag of Powerbase ICF
60 sf / kit of Sider Proof FF

Packaging:
Powerbase ICF:
55lb (25 kg) bag
Sider Proof FF:
53.2lb (24 kg) kit

Shelf Life:
Shelf life is 6 months in the original sealed packaging properly sheltered in a dry environment.

Storage:
Shelter in a dry environment from extreme heat, direct sunlight, rain and freezing.

Surface Preparation

Existing ICF surfaces must be free of all bond inhibiting materials including dirt, algae, release agents, grease, form oils and other foreign particles. Rasp entire surface of the ICF using an ICF/foam rasp. Irregular surfaces must be resurfaced and leveled to required tolerance and smoothness.

This coating **cannot** be applied to painted surfaces, steel or fiberglass surfaces.

Mixing Instructions

Powerbase ICF

Approximately 4.5 to 5 quarts of clean cool potable water is to be added per bag of **Powerbase ICF**. Mix in a clean pail with a ½" drill and paddle or stucco mixer for 3 to 4 minutes to yield good plasticity and a homogeneous mix. Allow mix to rest for 3 to 4 minutes then remix adding water to adjust workability. Do not re-temper the material nor use partially set or frozen material in the mix.

Sider-Proof FF

ENSURE THAT THE MATERIAL IS STORED AWAY FROM DIRECT SUNLIGHT. IF WARM MATERIAL IS MIXED, IT WILL SET VERY RAPIDLY.

Shake well and pour the **Sider-Proof FF** liquid into a clean bucket and then add ½ bag of powder. 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 3 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 up to approximately ¼ to ½ 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 lying in the sun. Do not water-down the material too much as it will prevent the application of a thick coat.

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. If the material thickens in the mixing pail during the application process, you may add a small amount of water in the mix and remix the material to achieve the desired consistency. Do not use partially set or frozen material in the mix.

Application

Powerbase ICF

Apply **Powerbase ICF** directly over the ICF surface and concrete bottom with a clean, stainless steel trowel to a uniform thickness of 1/8" (3 mm). Lay a high-impact 10 oz mesh immediately over the wet **Powerbase ICF** and embed it in place with a trowel (mesh may be omitted on the concrete floor unless cracks are present). Then apply an additional 1/8" (3mm) coat of **Powerbase ICF** over the ICF areas (a second coat is not necessary on the concrete bottom) and level to achieve a smooth base-coat with a total thickness of ¼" (6 mm). The mesh should be fully embedded and no pattern of the mesh should be visible on the surface of **Powerbase ICF**. Allow to dry for a minimum of 48 hours with sun exposure in ambient temperature above 70°F (21.1°C).

SIDER-PROOF FF

Apply **Sider-Proof FF** directly to **Powerbase**. The thickness of **Sider-Proof FF** 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 of **Sider-Proof FF** with a paint roller and roll smoothly. Dip the roller directly into the mixing pail, do not use a roller pan.

If a smoother finish is desired, then immediately smooth the coating with a **MagicTrowel®** (remove the blade cover); using **MagicTrowel®** from bottom-to-top or side-to-side. Keep the blade wet at all times on the **MagicTrowel®**. Do not roll over applied material that has already started to set, as it will damage it..

Allow the first coat to dry for approximately 24 hours to 48 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.

Again, if a smoother finish, then immediately smooth the coating with **MagicTrowel®**; using **MagicTrowel®** from bottom-to-top or side-to-side. Keep the blade wet at all times on the **MagicTrowel®**.

For details, corners, steps and edges, sponge floating may be used to render a smooth finish.

Tips:

- ❖ It is recommended to apply each coat continuously to prevent 'cold joints'. If the project is too large to complete each coat continuously, ensure to overlap new coat by 4 inches.
- ❖ To render a very smooth finish, using a spray bottle, lightly mist the surface with clean water while using the **MagicTrowel®.**

Start-Up Procedures

Allow **Sider-Proof FF** to fully dry (minimum 48 hrs or longer - depending on ambient temperatures) prior to filling with clean water. Additional drying time is recommended for indoor projects or projects in cooler ambient temperatures. Ensure that all signs of dampness in **Sider-Proof FF** have dried and the coating is uniform in color. Regardless of the amount of time the coating has air-dried, the following instructions must be followed starting with day 1. The coating will continue to harden and reach full cure once underwater.

Start-up process:

- ➢ Allow 24 hours to 48 hours prior to backfilling for below-grade projects.
- ➢ Allow 48 hours prior to filling with water for water tanks, cisterns & ponds,
- ➢ During the initial filling process using a water hose, place the hose in the bottom drain to prevent damage to the surface of the coating.
- ➢ **Do not** brush the coating or allow anything abrasive against the coating for 14 days.
- ➢ Additional drying time may be necessary for indoor projects or in cooler ambient temperatures.

Recommended Tools

- **Drill:** DeWalt ½" drill, Type 3, 7.8 A / 450 rpm or similar
- **Paddle:** Large square mortar paddle (not small paint paddle)
- **Trowel:** Stainless steel trowel
- **Roller:** 9" shed-resistant fabric, 3/8" to 1/2" nap
- **Pail:** 5-gallon plastic pail or larger
- **MagicTrowel®** (photo right): Available in different sizes, 12" and 18" are recommended
- **Sponge:** Masonry/grout sponge
- **Sanding Sponge:** Fine/Medium grit sanding sponge

Limitations

Apply when ambient and shell/surface temperatures are above 45° F (8° C) during application and drying period. Do not apply to overheated, excessively dry or frozen substrate, or during periods of high winds. Mist as necessary to prevent rapid drying in high temperature applications. Do not allow more than 5 days between coats. Due to the natural ingredients which make up **Sider-Proof FF-PR** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Proof FF-PR**. **Sider-Proof FF-PR** may remain out of the water as long as desired without the risk of *check-cracking*; however, the coating will continue to harden and reach full cure once underwater.

Note: Due to the natural ingredients which make-up **Sider Proof FF-PR,** the use of colors or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface. Final texture and color 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.

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.

Health and Safety

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Product is alkaline and may burn or irritate upon contact with eyes or skin. Do not ingest. Use of safety goggles, rubber gloves and dust respirator is recommended. This product contains crystalline silica. Take measures to contain and reduce dust.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes and SEEK IMMEDIATE MEDICAL ATTENTION. For skin contact, wash thoroughly with soap and water. If swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. For additional information, call Sider-Crete, Inc. at 888- 743-3750. Refer to Material Safety Data Sheet (MSDS) for further information.

Attention

Sider-Crete, Inc. products shall be prepared, mixed and applied for its intended use, in strict accordance with Sider-Crete's recommended mixture and application procedures and specifications. Defects in materials caused by improper storage, misuse, mishandling or failure to strictly follow the specific application specifications and

procedures of Sider-Crete, Inc. for its various products are not warranted under any circumstances. Sider-Crete, Inc. shall not be responsible for any damage or injury caused in whole or in part by force majeure, structural movement, insufficient, improper or defective waterproofing between Sider-Crete and non-Sider-Crete materials, nor any other damage or injury not solely and directly caused by a defect in Sider-Crete, Inc. products. Users and/or Purchasers agree that Sider-Crete, Inc. cannot accept any liability for omissions, errors, end-result of projects, or any cause or effects resulting from our recommendations. Users and/or Purchasers should contact their architect and/or engineer regarding the appropriate product to be specified and used for their project and acquire the latest products specifications, to ensure that any information used to make decisions about the product(s) is as up-to-date and complete as possible. All sales are subject to Sider-Crete, Inc.'s Terms and Conditions of Sales.