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## SIDER-PROOF FF-PR

### PRODUCT DATA

#### Features and Uses

- "Roll it on and blade it smooth!"
- A true cement-based plaster – NOT a paint
- Provides a water-resistant finish for swimming pools, hot tubs, fish ponds, fountains and water features
- Pre-measured kits for an error free mixing ratio
- Easy two-coat application
- Yields a smooth plaster finish
- Polymer-modified for added flexibility, excellent freeze-thaw resistance and perfect adherence to pool plasters and concrete surfaces
- Water cleanup
- Available in several standard colors and custom colors upon request
- Also available with premixed colored quartz
- Please visit our website for available colors

**Sider-Proof FF-PR is a cement based roll-on pool plaster for concrete pools, existing pool plaster and masonry surfaces.**

#### Coverage:

Approximately 60 sq. ft. per kit for two coats depending on substrate condition

#### Packaging: 53lb/24kg kit

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

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

#### Shelf Life:

Shelf life is 1 year in the original sealed packaging properly sheltered in a dry environment.

#### Storage:

Shelter in a dry environment away from extreme heat, direct sunlight, rain, and freezing temperatures.



## Surface Preparation

### Approved Surfaces

Existing unpainted pool plaster, poured concrete, concrete blocks, ICF (with base coat) and most any other masonry surfaces (call us for details if unsure of existing surface). This coating cannot be applied to painted surfaces or fiberglass.

### Surface Preparation

Existing plaster, concrete or masonry surfaces must be solid, sound and free of all bond inhibiting materials including dirt, algae, efflorescence, release agents, grease, oils and other foreign particles. Remove paint and loose/damaged materials by water blasting, sandblasting or mechanical wire brushing. An acid-wash/acid-etch is required to expose the aggregate and provide a proper mechanical bond followed by the application of a neutralizing treatment (example: TSP). Damages, loose plaster, indentions, high stress areas and cracks in the existing surface must be repaired using **Sider-Repair** prior to the application of **Sider-Proof FF-PR**.

Apply a layer of tape to all jets, returns, drains and tiles to protect from the coating. Ensure that the existing plaster or surface has been dampened and is humid but not wet to the touch.

**Note:** Prior to draining your swimming pool, inquire about elevated levels of ground water and certain local conditions that may create permanent damage by pushing the pool out of the ground if left empty. Sider-Crete, Inc. will not be held liable for any damages caused by such occurrence and any other related occurrences.

## Mixing Instructions

**ENSURE THAT THE MATERIAL IS STORED AWAY FROM DIRECT SUNLIGHT OR EXTREME HEAT TO PREVENT RAPID SETTING OF THE MATERIAL.**

Shake well and pour the **Sider-Proof FF-PR** liquid into a clean 5 gallon pail, then add half of the bag of powder. Mix with a drill and mixing paddle for 10 to 20 seconds, then add the rest of the powder and continue mixing for ~3 minutes to yield a good plasticity and homogeneous mix. For optimal results, always pour the liquid component first then add the powder while mixing. It is recommended to use a low speed drill and keep the mixing paddle at the bottom of the pail to prevent air entrainment in the mix. Do not add any products in the mix; but you may add up to a ½ cup of cool clean water to achieve a desired workability. Do not water-down the material in excess as it will prevent the application of the required thickness.

If the material thickens (false set) in the mixing pail during the application process, you may add 1oz to 2oz of cool clean water and remix the material to achieve the desired consistency. The thickness of the applied material in two coats will be between 3/16" (min.) to a 1/4" (max), with each coat of equal thickness to ensure proper hardness. If necessary, additional coats of equal thickness may be applied according to the same procedures and drying time (contact Sider-Crete, Inc. for more details). Do not use partially set or frozen material in the mix.

## Application

**IT IS RECOMMENDED TO PERFORM THE APPLICATION EARLY MORNING OR DURING COOLER TEMPERATURES TO PREVENT RAPID SETTING OF THE MATERIAL.**

**Sider-Proof FF-PR** is applied on existing pool plaster, concrete or masonry substrates in two coats. The thickness of the applied material in two coats will be 3/16" (min) to a 1/4" (max) with each coat of equal thickness to ensure proper hardness. Additional coats of equal thickness may be applied if necessary within a 5 day period (see Limitations).

Once mixed, dip the roller directly into the mixing pail; do not use a roller pan. Apply the first coat with a paint roller and roll smoothly; then immediately and simultaneously smooth the coating with the MagicTrowel<sup>®</sup> from bottom-to-top for the walls and side-to-side for the floor (remove the cover from the MagicTrowel<sup>®</sup>). Keep the rubber blade on the MagicTrowel<sup>®</sup> continuously clean and wet. Allow for a slight rough finish on the first coat to ensure proper mechanical adherence of the second coat. 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 (depending on ambient conditions) prior to the application 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, then immediately smooth the coating with the MagicTrowel<sup>®</sup>. For details, corners, steps and edges, sponge floating may be used to render a smooth finish.

For the application of **Sider-Proof FF-PR** in the **Speckled Colors** (premixed with colored quartz) the coating should be lightly sanded after 24 hours (max) of drying time with a medium or fine grit wet sanding sponge to expose the quartz for a bright and colorful 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, then a tile break may be installed.
- ❖ To render a very smooth finish, using a spray bottle, lightly mist the surface with clean water while using the MagicTrowel<sup>®</sup>.

## Start-Up Procedures

Allow **Sider-Proof FF-PR** to fully dry (minimum 24 hrs - depending on ambient temperatures) prior to filling the pool with clean water. Additional drying time is recommended for indoor projects. Ensure that all signs of dampness in **Sider-Proof FF-PR** have dried and the coating is uniform in color.

At no time should any person or pets be allowed in the pool during the fill and start-up process.

For all pools, it is recommended to pre-dilute all chemicals with pool water in a pail prior to adding to the pool water. To ensure years of long-lasting durability, continually maintain a balanced water chemistry.

### Start-up process:

- Place a clean rag on the end of the hose and place the hose in the main drain to prevent damage to the surface of the coating.
- Fill the pool with clean water to the middle of the skimmer or specified water level without interruption to help prevent a ring to form on the surface of the plaster.
  
- Once the pool is filled:
  - Begin circulating the water by starting the pump and filter, and continue running 24 hours a day.
  - The use of a sequestering agent/stain & scale is required (follow chemical manufacturer recommended dosage for your specific pool volume).
  - Test pH, alkalinity & calcium hardness
    - Alkalinity should be adjusted to 80 ppm to 120 ppm
    - pH should be adjusted to 7.2 to 7.6
  - Continue adjusting your pH & Alkalinity daily
  - After 3 to 5 days of constant water circulation (depending on ambient conditions – i.e.: temperatures, etc), adjust the pool water to the following levels:
    - Free Chlorine: 1.0 to 3.0 ppm
    - pH: 7.4 to 7.6
    - Total Alkalinity 80 - 120 ppm
    - Calcium Hardness: 200 - 400 ppm
    - Stabilizer: 30 to 100 ppm
  - After 5 days of constant water circulation, you may return your filtration timer to a normal operating cycle.
  - For salt water pools, you may add salt after 14 days of constant water circulation.
  
- **Do not** add calcium chloride for the first 5 days.
- **Do not** add salt for 14 days.
- **Do not** brush the coating or allow anything abrasive against the coating for 14 days.
- **Do not** use a manual wheeled vacuum system for 14 days.
- **Do not** use an automatic pool cleaner for four weeks.
- Additional drying time is recommended for indoor projects.

### Recommended Tools

- **Drill:** DeWalt ½", Type 3, 7.8 A / 450 rpm or similar
- **Paddle:** Large square mortar paddle (not small paint paddle)
- **Pail:** 5-gallon or larger plastic pail
- **Roller:** 9" shed-resistant fabric, 3/8" to 3/4" nap
- **MagicTrowel®:** Available in a 12" and 18" from Sider-Crete, Inc.
- **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**. Unlike traditional plaster, **Sider-Proof FF-PR** may remain out of the water as long as desired without the risk of *check-cracking*.

## Clean Up

Clean tools and equipment with water after use prior to drying. Clean up and remove all debris and materials from the site caused by the installation and dispose of according to federal, state and local regulations 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 and the use of safety goggles, rubber gloves, and dust respirator is recommended. This product contains crystalline silica. Mix outside or in a well ventilated area and take measures to contain and reduce the dust. A Material Safety Data Sheet is available by calling 1.478.892.9800 during our standard business hours.

## 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, contact Sider-Crete, Inc. or refer to the Material Safety Data Sheet (MSDS).

## 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 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.