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## SIDER-POOL

### PRODUCT DATA

#### Features and Uses

- A true cement-based plaster
- No-check cracking and no-brushing necessary
- Provides a water-resistant smooth plaster finish for swimming pools, hot tubs, fish ponds, fountains and water features
- Pre-blended pool plaster
- Polymer-modified for added flexibility, excellent freeze-thaw resistance and perfect adherence to pool plasters and concrete surfaces
- Water cleanup
- Available in several pre-blended standard colors and custom colors upon request
- Please visit our website for available colors

A superior technology in pre-mixed plaster for swimming pools. It will render a beautiful smooth finish without **brushing\*** or **check-cracking\***.

#### Coverage:

Approximately 20 sq. ft. per bag  
@ 3/8" thick

#### Packaging:

55lb/25kg bag

#### Shelf Life:

Shelf life is 6 months 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, and most any other masonry surfaces. This coating cannot be applied to painted surfaces or fiberglass.

### Surface Preparation

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, release agents, waterproofing admixtures or coatings, grease and oils, and other foreign particles. Remove paint, loose or damaged materials by water blasting, sandblasting or mechanical wire brushing. Ensure that the substrate has been well dampened but not wet to the touch. Active leaks, weeping and weep holes in the existing surface or existing plaster must be patched prior to the application of **Sider-Pool**.

For a replastering project, prepare the existing pool surface following standard practices (cutting the tile line, chipping around drains and returns, an acid-etch with a neutralizing treatment, along with the application of a primer coat such as Sider-Rough Kote, etc...)

**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

Mix 4 to 4 1/4 quarts (4 to 4 1/4 liters) of clean, potable water to each bag of **Sider-Pool**. Mix in a clean standard batch mixer for no less than 5 minutes to yield a good plasticity and homogeneous mix, but do not over mix. You may adjust the amount of water added per bag to the desired consistency. For darker colors, a longer mixing time may be required to ensure proper color dispersion. Do not over-mix and allow mixture to settle for 5 to 7 minutes prior to application. Do not re-temper the material, add additional water or use partially set or frozen material in the mix.

DO NOT ADD ANY UNAPPROVED ADDITIVES TO THE MIX

## Application

Apply **Sider-Pool** to a thickness of 3/8" to the gunite or masonry wall with a clean stainless steel trowel or by spray application and trowel to tolerance to achieve a smooth and even finish.

Apply **Sider-Pool** in a continuous application, always working to a wet edge to eliminate cold joints. If a two coat application is performed, allow the first coat to dry to the touch prior to the application of the second coat. Also, allow for a rough finish on the first coat to ensure a appropriate mechanical bond of the second coat.

**Sider-Pool** may be sanded to achieve an even smoother surface; however, it is not required. Allow minimum 24 and maximum 48 hours of drying time depending on surrounding conditions (temperature, humidity) prior to sanding.

#### Tips:

- ❖ It is recommended to apply the coatings 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.

### Start-Up Procedures

Allow **Sider-Pool** to fully dry (minimum 48 hrs - depending on ambient temperatures) prior to filling the pool 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-Pool** 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. No persons or pets are allowed in the pool during the fill and start-up process for the first 5 days or longer, until the pool chemistry is stable and it is safe for bathers to use the pool.

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.

### RECOMMENDATIONS

The pool plaster will start to hydrate immediately after mixing, with the majority of hydration taking place within the first 28 days. This critical time period is when a finish is most susceptible to staining, scaling and discoloration.

Proper start-up procedures including constant monitoring and adjusting of the pool water is mandatory.

Due to unique local water conditions and environmental factors, parts of these recommended start-up procedures may need to be modified to protect the pool finish. For example: filling the pool with extremely low calcium hardness, low pH or low total alkalinity levels may necessitate changes to these procedures. Monitored chemical adjustments will be mandatory *during the service life of the pool surface*.

**ALWAYS ADD A CHEMICAL TO WATER, NEVER WATER TO THE CHEMICAL**

### POOL FILLING DAY PREPARATION STEPS

1. Make sure the filtration equipment is operational.
2. Remove all floor return heads and directional eyeballs *(if appropriate and recommended in your geographical area.)*
3. Place a clean cloth on the end of the hose and place the hose in the main drain to prevent damage to the surface. If a water truck is required, 36 inches (90 cm) of water should be placed at the deepest area for the water cushion.

4. Fill the pool to the middle of the skimmer or specified water level without interruption as rapidly as possible with clean potable water to help prevent a bowl ring.
5. At no time should any person or pets be allowed in the pool during fill. Do not allow any external sources of water to enter the pool to help prevent streaking.
6. Test fill water for pH, alkalinity, calcium hardness and metals. Record test results.
7. Start the filtration system immediately when the pool is full to the middle of the skimmer or specified water level.

## **Start-Up Process:**

### **Day 1**

1. Once filled, pre-dilute and add a quality sequestering agent using the recommended initial start-up dosage per the sequestering agent's manufacturer.
2. High alkalinity should be adjusted to 80 ppm using pre-diluted Muriatic Acid (31-33% Hydrochloric acid). Always pre-dilute the acid by adding it to a five-gallon (19 L) Bucket of pool water.
3. Low Alkalinity should be adjusted to 80 ppm using sodium bicarbonate (baking soda).
4. pH should be reduced to 7.2 to 7.6 adding pre-diluted Muriatic Acid.
5. Operate filtration system continuously for a minimum of 5 days
6. You may use a soft bristle brush to stir/remove any calcium or other deposits
7. DO NOT add chlorine for 5 days
8. DO NOT turn on pool heater for 5 days

### **Day 2**

1. Test pH, Alkalinity and Calcium Hardness and repeat steps 2-8 of **Day 1**.
2. Once the alkalinity is adjusted to 80 ppm and the pH is adjusted to 7.2 to 7.6, then adjust calcium hardness levels to a minimum of 150 ppm. (CAUTION: Adjustments requiring more than 20lb. of CaCl<sub>2</sub> should be pre-diluted and added in 10lb. increments- morning and afternoon.)

### **Day 3 & 4**

1. Test pH, Alkalinity and Calcium Hardness and repeat steps 2-8 of **Day 1**.

### **Day 5**

1. Test pH, Alkalinity and Calcium Hardness and repeat steps 2-8 of **Day 1**
2. Pre-diluted chlorine may be added to achieve 1.5 to 3 ppm.
3. Return filtration system to normal schedule

### **Day 6 to Day 28**

1. Test pH, Alkalinity and Calcium Hardness and repeat steps 2-8 of **Day 1**.
2. Calcium levels should be adjusted slowly over the 28-day period not to exceed 200 ppm.
3. Adjust Cyanuric acid levels to 30 to 50 ppm based on the primary sanitizer of the pool (pre-dissolve and add through the skimmer).
4. **After Day 14** - For Salt chlorination systems, you may add salt. Predilute the salt to prevent it from landing & stagnating on the bottom and eroding the plaster.

## Daily Water Chemistry After 28 Days

- Free Chlorine = 1 to 3 ppm
- Total Chlorine = 1 to 3 ppm
- Sequestering Agent as per Manufacturer's directions
- pH = 7.2 to 7.6
- Total Alkalinity = 80 to 120 ppm
- Calcium hardness = 200 to 400 ppm
- Cyanuric acid = 30 to 50 ppm (100 ppm is max)
- TDS = 300 to 1800 ppm (non-salt pools)
- Salt Level= according to the manufacturer recommendations (Salt chlorination ONLY)

- **Do not** add salt for 14 days in salt water systems
- **Do not** hard-bristle brush the coating or allow anything abrasive against the coating for 14 days.
- You may use a soft bristle brush to stir/remove any calcium or other deposits
- **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 or during cooler temperatures.

## 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, nor during periods of high winds. Mist as necessary to prevent rapid drying of **Sider-Pool** in high temperature applications. Due to the natural ingredients which make-up **Sider-Pool** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Pool**.

Installation shall be performed by contractors with documented experience in swimming pool plaster application 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.

\*The 'No-Brushing' refers to the practice of brushing the walls of a pool plastered with standard cement-based plaster during start-up procedures; which is no longer necessary with the application of **Sider-Pool**.

\*The 'No Check-Cracking' refers to the development of cracking which could occur in a pool plastered with standard cement-based plaster if the plaster remains out of water for a certain time. **Sider-Pool** will not develop Check-Cracking if it remains out of water; however, it does not refer to possibility of the development of cracking in **Sider-Pool** resulting from such causes as, but not limited to, structural movement, application during extreme weather conditions (high winds, extreme high heat) – please refer to warranty for more details.

### **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 Safety Data Sheet (SDS).

### **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.