



**SIDER-OXYDRO, INC.**

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# SIDER-BOND

## THE ULTIMATE FIBER-REINFORCED, SURFACE BONDING CEMENT

### 1.0 DESCRIPTION

#### 1.1 General

**Sider-Bond** is a surface bonding cement that allows the assembly of concrete blocks without the use of grout or mortar. **Sider-Bond** simplifies laying blocks in mortar, and creates durable walls that can be stronger than standard grout applications. **Sider-Bond** is fiber-reinforced with polypropylene fibers, which, opposite to glass fibers, will not disintegrate, by the strong alkaline raw materials used in most cementitious wall-bonding cements. It is also water-resistant to stop water penetration into the blocks. **Sider-Bond** produces a consistent surface, which covers very well the block seams. **Sider-Bond** is available in gray or white; it can also be painted to the color of your choice using a high quality masonry paint such as **Siderite**, or coated with colored stucco's such as **Monosideral**.

### 2.0 MATERIALS

#### 2.1 SIDER-BOND

**Sider-Bond** is a factory-blend of Portland cement, polypropylene fibers, silica sand, additives and proprietary admixtures. It is available in a 50 lb. (22.7 kg) bag or in a 66 lb. (30 kg) pail of a factory-blended material, requiring only the addition of potable water at the job site.

**Sider-Bond** is ready to accept coatings such as **Monosideral**, **Siderite** or **Sider-Plast Finish** or just masonry paint (please refer to the appropriate specifications or call for details.)

### 3.0 MIXING INSTRUCTIONS

#### 3.1 Mixing

Add approximately 1¼ to 1 ½ gallons (5 to 5 1/2 liters) per 50 lb. (22.7 kg) bag or add approximately 1 3/4 gallons (7 to 7 1/2 liters) per 66 lb. (30 kg) pail of clean, potable water in a clean standard batch mixer, and then slowly add the bag/pail of **Sider-Bond**. Mix thoroughly but do not over-mix. Apply with a clean stainless steel trowel. Do not re-temper the material, add additional water or use partially set or frozen material in the mix.

## 4.0 INSTALLATION

### 4.1 Surface preparation

The foundation where the blocks will be placed must be on a solid and sound concrete footing. The thickness of the footing should be the same thickness as the wall and project at least 4" beyond each face of the wall (ex: for an application of standard 8" x 8" x 16" concrete blocks, the footing should be at least 8" thick and 16" wide). Place and level the first row of blocks in a bed of **Sider-Bond** or an approved masonry mortar. Allow **Sider-Bond** or the mortar to dry for a minimum of 4 hours (depending on ambient conditions) before stacking the rest of the blocks.

### 4.2 Application over Concrete Block

Once the blocks have been stacked, mist the wall with cool water just before applying **Sider-Bond** without saturating the blocks. With a trowel, spread the mix into open joints and completely cover the blocks with a thickness between 1/4" "on each side" of the blocks. Check wall every fourth or fifth course to be certain it is plumb and level. A second coat may be applied within 48 hours for decorative purposes upon the initial set of the first coat. It can be painted to the color of your choice using high quality masonry cement-based paint such as **Siderite**, or coated with colored stucco's such as **Monosideral** or **Sider-Plast**.

### 4.3 Acceptable Coatings

Most high-quality masonry paints, such as **Siderite**, or **Monosideral**, **Sider-Décor**, **Sider-Plast finish, etc...** Allow **Sider-Bond** to dry at least 48 hours before applying a decorative coating. **Sider-Bond** may not be in contact with direct flames, the use of a fire-resistant coating or 'fire-bricks' (refractory) is recommended.

### 4.4 Water-repellency

It is not necessary to waterproof **Sider-Bond** for above grade applications as it provides excellent resistance to moisture. For below grade applications, **Sider-Bond** must receive two coats of Sider-Proof (cementitious waterproofing coating-call for details) to provide excellent waterproofing properties.

### 4.5 Limitations

Apply **Sider-Bond** when surface and ambient temperatures are above 45° F (8° C) during application and drying periods. Do not apply to overheated, excessively dry or frozen substrates or during periods of high winds. Due to the natural ingredients which make-up **Sider-Bond** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Bond**. Do not exceed two stories or 16' construction for unsupported walls.

## 5.0 MISCELLANEOUS

### 5.1 Packaging

**Sider-Bond:** 66 lb. (30 kg) bag of powder in a 3-ply bag with moisture barrier

## **5.2 Coverage**

Approximately 25 sq. ft. per 66 lb. (30 kg) bag @ 1/4"

**(Coverage is approximated and is given for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application techniques.)**

## **5.3 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.

## **5.4 Technical Assistance**

For technical inquiries during normal business hours, contact Sider-Oxydro, Inc. toll free at 888-743-3750.

## **5.5 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.

## **5.7 Commercial Names**

### **SIDER-BOND**

*And now, enjoy using **SIDER-BOND** and benefit from this revolutionary technology developed by Sider-Oxydro, Inc., innovative leaders in the construction industry since 1937.*

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