

SIDER

SIDERPROOF-HCR

OXYDRO



Description

SiderProof-HCR (high chemical resistance) is a flexible latex waterproofing mortar for aggressive environments. SiderProof-HCR is specifically designed for use in infrastructure construction and rehabilitation projects.

Use

SiderProof-HCR provides waterproofing and protection for waste water tanks, corrosive product tanks and buried concrete conduits (such as sewer lines and collectors). SiderProof-HCR can also be applied to various surfaces such as concrete, masonry, steel or cast iron.

SiderProof-HCR features the additional benefits of:

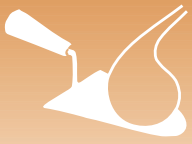
- ↻ Excellent bacterial acids corrosion resistance
- ↻ Resist freeze - thaw cycles with no deterioration noted after 10 cycles of rain, freeze and UV
- ↻ Waterproof and resists de-icing salts
- ↻ Minimum adherence of 145 psi to concrete, stone, steel or cast iron

Specifications

Crack resistance	1/16" (1.2 mm)
Abrasion resistance	30% greater than standard mortar
Base chemical resistance (pH 11)	2% to 3% weight loss
Organic & mineral acids resistance (pH 3)	2% weight loss

Composition

Portland cements, sand, bonding agents, mineral additives, stabilizers and non-synthetic additives.

**SIDER****SIDERPROOF-HCR****OXYDRO***CONTINUED***Surface Preparation**

Surfaces must be free of all bond-inhibiting materials including dirt, efflorescence, release agents and any other foreign particles. Remove paint, loose or damaged materials by water blasting, pressure washing, sandblasting or mechanical wire brushing. Repair all surface cracks. Dampen surface prior to applying SiderProof-HCR. Do not apply to dry or frozen surfaces. Protect from rain, freezing and thawing surfaces.

Limitations

Apply when ambient temperature is above 41° F (5° C) and below 90° F (32° C). For applications outside of these temperature ranges, please contact Sider-Oxydro, Inc. technical support for additional information.

Mixing Instructions and Application Procedures

Always pour liquid component in first and then mix with powder for optimal results.

Pour the liquid component from a kit into a clean standard batch mixer and add small amounts of the powder side of the kit at the time. Allow to mix for at least 10 minutes until reaching fluidity. Never add water to the mix. Apply with a roller or spray equipment. Apply 2 coats at 1/16" (1.2 mm) thickness. Allow 4 hours of drying time for the first coat prior the application of the second coat.

SiderProof-HCR is workable up to 30 minutes. Drying time usually takes 6 hours, depending on temperature and humidity. Full cure time of SiderProof-HCR is 8 days. These results are based on an ambient temperature of 68° F (20° C).

Coverage

60 f² (5.57 m²) per kit.

Packaging

One kit contains 1 - 55 lb. (25 kg) bag of powder & 1 - 2.5 gallon (9.5 liter) container of liquid.

Storage and Shelf Life

Shelter in a dry environment from direct sunlight, extreme heat, rain and freezing. Shelf life is one year in original sealed packaging.

Sider-Oxydro products are specifically formulated and designed to meet and exceed industry standards. Please refer to technical data sheets for specific installation instructions or contact Sider-Oxydro for application questions.