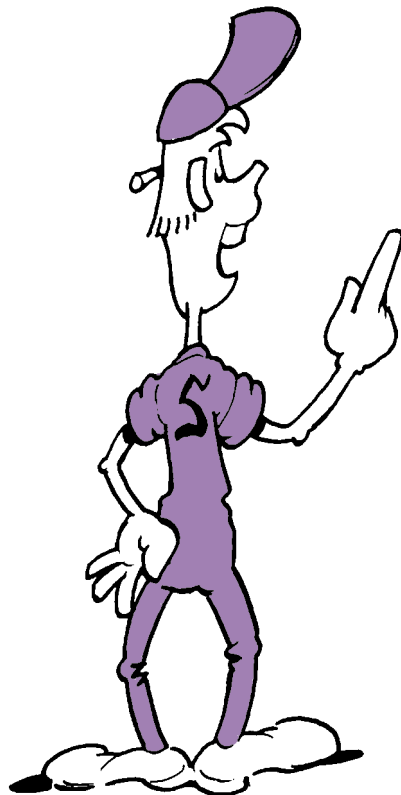


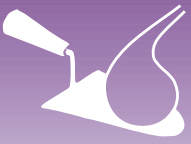
SIDER

OXYDRO

3

CONCRETE BONDING AND REPAIR





SIDER

SIDERANCHOR

OXYDRO



Description

SiderAnchor is quick setting anchor cement with high adherence and mechanical properties.

Use

SiderAnchor may be used for interior or exterior applications on floors, walls or ceilings. The quick set formulation of SiderAnchor provides superior strength, making it a perfect anchoring cement for the installation of posts, bolts, wrought iron, railings, reinforcing structural steel and signs in concrete.

Specifications

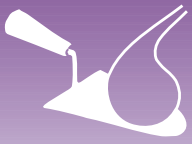
Aggregate	0 - 2.5 mm
Mix density	2.1
Setting time	2 hours
Flexural Strength	725 psi - 5 MPa @ 24 hours
Flexural Strength	1015 psi - 7 MPa @ 28 days
Compressive Strength	8000 psi - 55 MPa @ 24 hours
Compressive Strength	10 900 psi - 75 MPa @ 28 days
Pull out test	73.3 KN
Elasticity Modulus	33 000 MPa

Surface Preparation

Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence. Drilling must be achieved at low speed to avoid degradation of the concrete. Area must be dust free and dampened prior to application.

Limitations

Apply when ambient temperature is above 41° F (5° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces.



SIDER

SIDERANCHOR

OXYDRO

CONTINUED

**Mixing Instruction
and Application
Procedures**

Mix a 55 lb. (25 kg) bag of Sider Anchor with approximately 3.2 quarts (3.2 liters) of water. Adjust water amount according to desired workability. The mix must be used within the hour and may not be re-tempered. Set the object to be anchored and fill the cavity with SiderAnchor. Smooth the surface and allow to dry.

Coverage

12 quarts (12 liters) per 55 lb. (25 kg) of volume to fill.

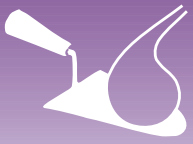
Packaging

One 55 lb. (25 kg) bag.

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.

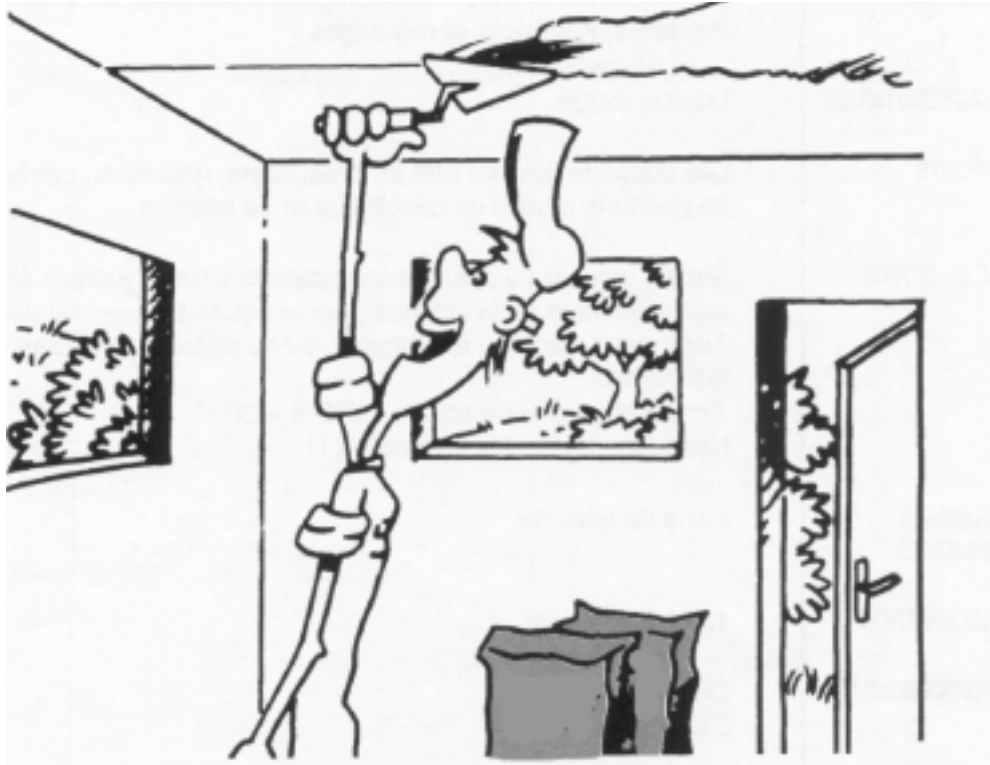
Sider-Oxydro products are specifically formulated and designed to meet and exceed industry standards. Please refer to technical data sheets for specific installation instructions or contact Sider-Oxydro for application questions.



SIDER

SIDERFILL

OXYDRO



Description

SiderFill is a cementitious repair mortar used for filling in joints and cracks in walls and ceiling surfaces. SiderFill provides a smooth, repaired surface finish.

Use

Used for interior applications on walls and ceilings, SiderFill is specifically designed for use in repairing joints and cracks. The specialized formulation of SiderFill provides superior non-sagging properties, allowing the product to be applied in horizontal or vertical applications and yield a smooth finish.

Specifications

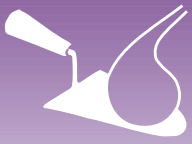
Aggregate	0 - 0.5 mm
Mix density	1.65
Setting time	6 hours
Adherence	0.9 MPa
Compression	9 MPa
Flexural Strength	2.7 MPa
Elasticity Modulus	6 700 MPa

Surface Preparation

Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence. Drilling must be achieved at low speed to avoid degradation of the concrete. Area must be dust free and dampened prior to application.

Limitations

Apply when ambient temperature is above 41° F (5° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces.



SIDER

SIDERFILL

OXYDRO

CONTINUED

**Mixing Instructions
and Application
Procedures**

Mix a 55 lb. (25 kg) bag of SiderFill with approximately 6.5 quarts (6.5 liters) of water. Adjust water amount according to desired workability. SiderFill mix must be used within the hour and may not be re-tempered.

Coverage

2.9 lbs. (1.3 kg) per 1 quart (1 liter) 55 lb. (25 kg) of volume to fill.

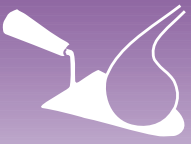
Packaging

One 55 lb. (25 kg) bag.

Storage and Shelf Life

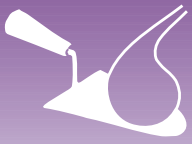
Shelter in a dry environment from direct sunlight, extreme heat, rain and freezing. Shelf life is one year in original sealed packaging.

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.

**SIDER****SIDERJECT****OXYDRO**

Description	SiderJect is a very fluid, two component epoxy mortar used in the repair of cracks and fissures in concrete.
Use	SiderJect is used as a repair epoxy mortar for vertical fissures and cracks in concrete surfaces. SiderJect is very fluid by nature and can be injected into fissures and cracks to create a perfect seal. SiderJect is only used in low humidity and dry environments. Epoxy products, by nature, do not bond when water is present, therefore it is important for a successful installation to ensure that all surfaces are clean and dry.
Specifications	Density 1.1 Compression 70 MPa Flexibility 25 MPa Setting Time 10 hours
Surface Preparation	Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence.
Limitations	Apply when ambient temperature is above 46° F (8° C) and below 90° F (32° C). Do not apply over heated or frozen surfaces.
Mixing Instructions and Application Procedures	Mix the two-component SiderJect kit by placing the resin in a clean mixing container and then adding the reacting agent. Mix for 5 minutes until a consistent, homogeneous mix is achieved. Drill openings along the fissure or crack every 6 ft (2 m) to 10 ft (3 m) to receive the injection nozzle. Inject the SiderJect until the fissure or crack is filled and remove the injection nozzle. Fill in each drilled opening with SiderJect to completely seal the fissure or crack.
Coverage	2.4 lbs. (1.1 kg) per 1 quart (1 liter) of volume to fill.
Packaging	One 11 lb. (5 kg) kit.
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.

**SIDER****SIDERLATEX****OXYDRO****Description**

SiderLatex is a copolymer resin emulsion, compatible with all cement, lime and gypsum.

SiderLatex

- ↪ Strongly improves the adherence of the mortar on all smooth supports
- ↪ Increases the plasticity of mortars; excellent for use in pre-cast concrete
- ↪ Improves the elasticity modulus of mortars to improve the resistance to cracks and fissures
- ↪ Reduces the wear and the release of powder from concrete
- ↪ Improves the impermeability of the surface

Use

The exceptional characteristics of SiderLatex allows extensive and broad use, including:

- ↪ Prepares old concrete surfaces to receive new coatings
- ↪ Allows coatings to be applied to smooth surfaces
- ↪ Anchors the placement of coatings to surfaces
- ↪ High resistance use in industrial applications
- ↪ Reduces dust from surface finishes
- ↪ Enhances the repairs to cracks and fissures in concrete for walls and floors

Characteristics

Density	1.01
Liquid	White

Surface Preparation

Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence. Area must dry and dust-free prior to application. Do not apply over frozen surfaces.

Mixing Instructions and Application Procedures

Prepare a solution of SiderLatex by adding 3-parts water to 1-part SiderLatex.

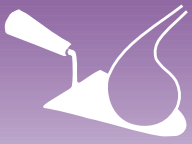
For use on concrete wall surfaces above grade, mix in a standard batch mixer 1-part cement powder to 1/2-part to 1-part sand. Mix in SiderLatex solution until achieving an even and flowing consistent mix. Apply on walls with a paintbrush or paint roller and smooth.

For use in below grade applications on basement walls and floors, for example, mix in a standard batch mixer 1-part cement powder to 1-part to 2-parts sand and add SiderLatex solution until achieving an even consistent mix. Apply to floor surfaces with a broom and smooth. If an additional floor coating is to be applied, use two coats of this mixture to optimize results.

For repairs in cement joints, clean joints and pressure wash if necessary. Prepare a SiderLatex solution of 1-part SiderLatex to 5-parts water and apply to joint surfaces. For additional protection against water, a second coat of SiderLatex is recommended.

For decorative wall coating applications and repairs, first apply a mixture of SiderLatex consisting of 5-parts water to 1-part SiderLatex. Then apply a new layer of decorative coating.

For concrete surface repairs, first apply a solution of SiderLatex and then apply a concrete mix containing 1-part sand to 1-part cement.



SIDER

SIDERLATEX

OXYDRO

CONTINUED

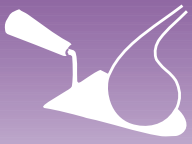
Packaging

5 gallon (20 liter) pails.
4 - 5 quart (5 liter) per carton.
10 - 2 quart (2 liter) per carton.

Storage & Shelf Life

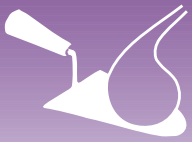
Shelter in a dry environment from direct sunlight, extreme heat, rain and freezing. Shelf life is one year in original sealed packaging.

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.

**SIDER****SIDERPOXY****OXYDRO**

Description	SiderPoxy is a high performance two-component epoxy based mortar for use in applications for high traffic areas.										
Use	SiderPoxy is an outstanding high performance epoxy based mortar used for setting tiles, stone and concrete pavers in high traffic areas, such as sidewalks, patios, driveways, etc...										
Specifications	<table><tr><td>Density</td><td>1.52</td></tr><tr><td>Compression</td><td>66 MPa</td></tr><tr><td>Flexural strength</td><td>28 MPa</td></tr><tr><td>Adherence to dry concrete</td><td>2.4 MPa</td></tr><tr><td>Adherence to humid concrete</td><td>2.1 MPa</td></tr></table>	Density	1.52	Compression	66 MPa	Flexural strength	28 MPa	Adherence to dry concrete	2.4 MPa	Adherence to humid concrete	2.1 MPa
Density	1.52										
Compression	66 MPa										
Flexural strength	28 MPa										
Adherence to dry concrete	2.4 MPa										
Adherence to humid concrete	2.1 MPa										
Surface Preparation	Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence. Drilling must be achieved at low speed to avoid degradation of the concrete. Area must be dust-free and dampened prior to application.										
Limitations	Apply when ambient temperature is above 46° F (8° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces.										
Mixing Instruction and Application Procedures	<p>Mix the powder portion of the kit into the resin portion of the kit and blend until a smooth, homogeneous mixture is obtained. Apply with a trowel and level. Place tiles, stones and concrete pavers into the SiderPoxy bed and position. All tile, stone and pavers must be laid in the SiderPoxy mortar bed within 4 hours.</p> <p>When applying over existing concrete slabs or surfaces, it is recommended that a coating of SiderPoxy Primer be applied prior to the application of the SiderPoxy to ensure maximum performance and lasting durability.</p>										
Coverage	3.3 lbs. (1.5 kg) per quart (liter) of volume to fill.										
Packaging	One 4.4 lb. (2 kg) kit. One 13.2 lb. (6 kg) kit.										
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.

**SIDER****SIDERQUICK****OXYDRO****Description**

SiderQuick is a thick, rich mortar used in concrete surface repairs.

Use

SiderQuick is ideal for repairs requiring up to 3" (8 cm) of applied thickness. SiderQuick is used in the repair of poured in place concrete, pre-cast concrete or tilt-up concrete. Sider Quick is ideally suited to patch or repair chipped stairs, walkways, ramps, and concrete with exposed reinforcing steel.

Specifications

Mix density	2.1
Flexural strength	1380 psi - 9.5 MPa
Compressive strength	7830 psi - 54 MPa
Adherence	210 psi - 1.44 MPa
Setting time	3 hours

**Surface Preparation**

Surface must be clean and free of all bond-inhibiting material, including dirt, paint, and all foreign particles. Check area for loose particles and remove all unsound areas. Brush off any rust and prime with SiderStructure Primer or SiderRepair Primer. Treat all porous or brittle areas with SiderFix Epoxy.

In general, prime the area with a coat of SiderStructure Primer and apply Sider Quick within the hour.

Mixing Instruction and Application Procedures

Prepare SiderQuick by mixing the full content of both components. Apply with pressure to the area to be repaired with a metallic tool, hold and slick to desired smoothness. Do not float or use circular movements during the application.

For repairs in larger areas, respect all existing expansion joints.

The mix will remain workable for 30 minutes

Limitations

Apply when ambient temperature are above 41° F (5° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces.

Coverage

18 quarts (18 liters) of volume to fill per kit.

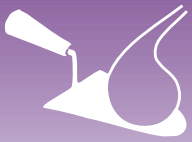
Colors

Gray, stone and white.

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.



SIDER

**SIDERREFIT-F
SIDERREFIT-T**

OXYDRO



Description

SiderRefit-F and SiderRefit-T is a large aggregate, cement based wall leveling mortar designed for use on uneven concrete surfaces, brick or concrete block walls that require leveling or resurfacing. Application thickness varies between 1/32" (1.6 mm) to 1/4" (6.35 mm) for SiderRefit-F and 1/16" (3.2 mm) to 1/2" (11 mm) per coat for SiderRefit-T.

Use

Wherever interior or exterior wall areas of poured concrete or block walls are to be leveled and resurfaced, SiderRefit-F or SiderRefit-T can be used to meet required tolerances and smoothness to receive decorative coatings, such as MonoSideral, Sideral 2000 or SiderDecor.

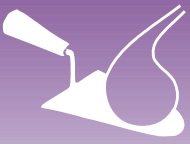
Composition

White or gray cement, additives and proprietary mixtures.

Specifications	SiderRefit-F	SiderRefit-T
Aggregate Size	0 - 0.5 mm	0 - 1.5 mm
Density of Mud	1.96	1.80
Setting Time	6 hours	6 hours
Adherence	>.6 MPa	.6 MPa - 88 psi
Compression	21 MPa	16 MPa - 2320 psi
Flexion	4.5 MPa	4 MPa - 580 psi
Elasticity Modulus	13 000 MPa	12 000 MPa
Fire Resistance	Non-Combustible	Non-Combustible

Surface Preparation

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, release agents and other foreign particles. Remove paint, loose or damaged material by water blasting, pressure washing, sand blasting or mechanical wire brushing. It is recommended to dampen the surface before application.



SIDER

**SIDERREFIT-F
SIDERREFIT-T**

OXYDRO

**Mixing Instruction
and Application
Procedures**

Add approximately 4 quarts (4 liters) of clean, potable water to each bag of SiderRefit-F or SiderRefit-T. Mix in a clean standard concrete batch mixer for no less than 5 minutes. Apply with a clean stainless steel trowel.

If a texture is desired, create the texture with the trowel, a float or a piece of polystyrene once the coating has started to set.

Limitations

Apply when ambient temperature are above 41° F (5° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces. Application thickness: From 1/16" (1 mm) to 1" (20 mm). 1/2" (11 mm) thickness per coat is maximum. Allow a minimum of 3 hours between coats. The mix can be used for up to 2 hours under conditions of 68° F (20° C) and 65% relative humidity.

Acceptable Coatings

Most paints, such as Siderite, MonoSideral, Sideral 2000, SiderDecor, insulation boards and tiles.

Coverage

1 lb. of powder covers 1 f² per 1/8" applied thickness.
1.6 kg of powder covers 1 m² per millimeter of applied thickness.

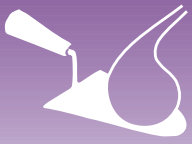
Packaging

50 lb. (22.7 kg) bag of powder.

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.



SIDER

**SIDERWALL-F
SIDERWALL-T**

OXYDRO

Description

SiderWall-F and SiderWall-T is a wall or ceiling leveling paste that is mixed with cement for application thickness ranging from 0" - 1/2" (0 - 11 mm), or to be mixed with gypsum for application thickness ranging from 0" - 2" (0 - 50 mm).

Use

Wherever interior or exterior wall or ceiling areas of poured concrete are located and require leveling or resurfacing to meet required tolerances and smoothness to receive Siderite, MonoSideral, Sideral 2000, SiderDecor or insulation boards.

Composition

Synthetic resins, mineral additives and proprietary admixtures.

Specifications	SiderWall-F	SiderWall-T
Aggregate Size	0 - 0.1 mm	0 - 0.5 mm
Density of Mud	1.58	1.58
Setting Time	15 hours	15 hours
Adherence	>.6 MPa	.6 MPa - 88 psi
Compression	19.5 MPa	20 MPa - 2900 psi
Flexion	4.5 MPa	5 MPa - 725 psi
Elasticity Modulus	8000 MPa	9000 MPa

Surface Preparation

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, release agents and other foreign particles. Remove paint, loose or damaged material by water blasting, pressure washing, sand blasting or mechanical wire brushing. It is recommended to dampen the surface before application.

Mixing Instruction and Application Procedures

Mix one part of paste with one or two parts of cement or plaster (interior use only) to yield good plasticity. Do not add water. Apply with a stainless steel trowel or a putty knife to the desired smoothness.

SiderWall-F application thickness with cement added: From 0" - 1/4" (0 - 5 mm)
SiderWall-T application thickness with cement added: From 0" - 1/2" (0 - 10 mm)
Application thickness with gypsum added: From 0" - 2" (50 mm)

The mix with cement can be used for up to 2 hours under conditions of 68° F (20° C) and 65% relative humidity.

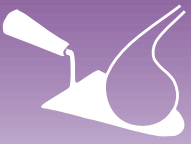
The mix with gypsum can be used for up to 30 minutes under conditions of 68° F (20° C) and 65% relative humidity.

Limitations

Do not apply in direct sunlight or to an excessively dry or frozen surface. Protect from rain, freezing and thawing surfaces. Apply when ambient temperature is above 41° F (5° C) and below 86° F (30° C). For applications outside of these temperature ranges, please contact Sider-Oxydro, Inc. technical support for additional information.

Acceptable Coatings

Most paints, Siderite, MonoSideral, Sideral 2000, SiderDecor or insulation boards. Allow 3 days minimum drying time prior to application of any type of coating.



SIDER

**SIDERWALL-F
SIDERWALL-T**

OXYDRO

CONTINUED

Coverage

1/2 lb. of paste covers 1 f² per 1/8" applied thickness.
.85 kg of paste covers 1 m² per millimeter of applied thickness.

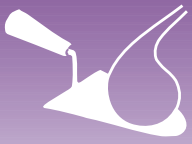
Packaging

50 lb. (22.7 kg) bucket of paste.

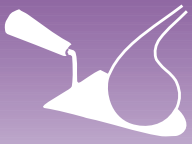
Storage and Shelf Life

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.

**SIDER****SIDERREPAIR
SIDERREPAIR PRIMER****OXYDRO**

Description	SiderRepair is an excellent general repair mortar used for a wide variety of concrete repair work.												
Use	SiderRepair strength and durability make it an excellent general repair mortar and can be applied up to two inches (5 cm) thickness per layer.												
Specifications	<table><tr><td>Aggregate size</td><td>0 / 630 μ</td></tr><tr><td>Bonding Time</td><td>7 hours</td></tr><tr><td>Compression</td><td>20 MPa</td></tr><tr><td>Flexural strength</td><td>3 MPa</td></tr><tr><td>Adherence</td><td>1.25 MPa</td></tr><tr><td>Elasticity Modulus</td><td>12 000 MPa</td></tr></table>	Aggregate size	0 / 630 μ	Bonding Time	7 hours	Compression	20 MPa	Flexural strength	3 MPa	Adherence	1.25 MPa	Elasticity Modulus	12 000 MPa
Aggregate size	0 / 630 μ												
Bonding Time	7 hours												
Compression	20 MPa												
Flexural strength	3 MPa												
Adherence	1.25 MPa												
Elasticity Modulus	12 000 MPa												
Surface Preparation	Surface must be structurally sound, clean, and free of paint, dust, bitumen, oil and all other materials that will inhibit adherence. Area must dry and dust-free prior to application.												
Limitations	Apply when ambient temperature is above 46° F (8° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces.												
Mixing Instruction and Application Procedures	<p>Apply an impression coat of SiderRepair Primer to the concrete surface prior to application of SiderRepair to ensure maximum performance.</p> <p>Mix 4.5 quarts (4.5 liters) of clean, potable water to one 55 lb. (25 kg) bag of and blend until a smooth, homogeneous mixture is obtained. Apply with a trowel and level. SiderRepair sets after one hour.</p>												
Coverage	4 lbs. (1.8 kg) per quart (liter) of volume to fill.												
Packaging	One 55 lb. (25 kg) bag.												
Storage and Shelf Life	<p>Shelter in a dry environment from direct sunlight, extreme heat, rain and freezing. Shelf life is one year in original sealed packaging.</p> <p><i>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.</i></p>												

**SIDER****SIDERRESIN-M****OXYDRO****Description**

SiderResin-M is an exceptional bonding agent that is a white, aqueous copolymer synthetic resin emulsion for applications on walls or overhead applications. The unique plasticizing properties of SiderResin-M allow for maximum stabilization of the substrate and serves as the perfect bonding medium when resurfacing walls and overhead applications with such products as SiderWall-F, SiderWall-T, SiderRefit-F, SiderRefit-T and a variety of coating products.

Use

SiderResin-M may be used for interior or exterior applications on walls or ceilings. The formulation of SiderResin-M provides superior strength, making it a perfect bonding agent for preparing these surfaces in such applications as:

- ↻ Prepares cracks in concrete surfaces to receive repair mortars
- ↻ Exterior or interior decorative coating repairs
- ↻ Provides excellent resistant properties in applications of coating where the coating is immersed in water; such as swimming pools, concrete water conduits, concrete pipes and concrete retaining ponds or pools
- ↻ Excellent for use in high humidity applications to prepare surfaces to receive wall and ceiling coatings
- ↻ Provides additional bonding to concrete when applying anchoring cements used to set iron railings, fences or posts

Specifications

Liquid	White
Density	1.04

Limitations

Clean and prepare all surfaces by removing loose particles, dust, friable particles or any bond inhibiting agents such as asphalt or grease with a dry brush. Apply when ambient temperature is above 41° F (5° C) and below 86° F (30° C). Do not apply over heated or frozen surfaces

Mixing Instruction and Application Procedures**Wall & Ceiling Applications**

Cement	1 part by volume
Sand (.5)	1 part by volume
Liquid	1 part SiderResin-M by volume
	5 parts - 7 parts water by volume, dependent upon surfaces being treated

Waterproofing & Immersed Coating Applications

Cement	1 part by volume
Sand	1 to 2 parts by volume
Liquid	1 part SiderResin-M by volume
	4 parts water by volume

For applications where coatings are immersed in water, it is recommended that product be applied in two or three layers to maximize performance of coating.

Packaging

4 each - 5 quart (5 liter) carton.
10 each - 2 quart (2 liter) carton.
1 each - 5 gallon (20 liter) pail.

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.