

## SOLHYDROCOAT PRIMER 100

100% solids, moisture tolerant epoxy primer

**SOLHYDROCOAT PRIMER 100** is a 100% solids, moisture tolerant epoxy primer formulated for toughness and stress relieving properties. The combination of high tensile strength and tensile elongation provides for greater durability under impact and thermally-induced stresses.

### USES

**SOLHYDROCOAT PRIMER 100** is used as an epoxy primer for epoxy and urethane coatings, epoxy linings, flexible epoxy membranes, epoxy troweled mortars, polymer concretes and cement based self leveling products.

#### TYPICAL USES:

As a primer for the following applications:

- **SOLHYDROCOAT** and **SOLHYDGLAZE EPOXY** or urethane coatings
- **SOLHYDLINING** monolithic epoxy lining systems
- **SOLHYDFLEX** flexible epoxy membrane systems
- **SOLHYDTOP** troweled mortar systems
- **STRUCTUROC HCR-F** polymer concrete systems
- As a saturated sand broadcast system to bond **SOLHYDFLOW** self leveling

### PRODUCT FEATURES

- 100% solids
- May be applied to damp substrates (moisture tolerant)
- Relieves stress due to low modulus of elasticity
- Provides chemical resistance
- Improves overall bond strength of all **SOLHYDROC** epoxy systems

### SURFACE PREPARATION

This is the most important step of the systems installation. Surfaces must be sound, clean and free of all laitance, dust, oils, loose mortar and other contaminants. A thorough grinding, sandblasting or shotblasting may be required to expose clean, sound surfaces. Surfaces must be free of ponding water and/or bond-inhibiting contaminants.

### PRIMING

No primer required.

### PRODUCT MIXING

Thorough blending of the components is essential for maximum performance of **SOLHYDROCOAT PRIMER 100**. Mix Part A and Part B separately with a low speed 1/2" drill (250-300 rpm) with Jiffy mixing paddle. Then add Part B to Part A while respecting the 2 part Component A to 1 part Component B ratio by volume, and mix until material is completely blended. Minimum mixing time is 3 minutes. Scrape down the sides of the container and mixing paddle periodically during mixing.

### PHYSICAL MATERIAL PROPERTIES @ 25°C (77°F)

MIXING/RATIO		PHYSICAL TESTING	
Mixing/Ratio	2 : 1	Hardness Shore D ASTM D2240	85
Color	Clear	Tensile Strength ASTM D638	48 MPa
% of solids	100%	Bond Strength ASTM D1002	2.4 MPa
Viscosity	425 cps	(100% failure in concrete)	
VOC	- 0 -	Compressive Strength ASTM C579	100 MPa at 28 days
Elongation ASTM D638	6.7 %	Abrasion resistance ASTM D4060	0.1g lost

### CURING 25°C, 50 RH

Dry to the touch	5-8 hours
Recoat time	5 hours min. 24 hours max
Light traffic	16 hours min.
Final cure	7 days

# SOLHYDROC

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### ■ PRODUCT APPLICATION

Apply the **SOLHYDROCOAT PRIMER 100** at the recommended coverage rate using a short nap roller or squeegee.

### ■ CURING

**SOLHYDROCOAT PRIMER 100** is a self-curing material.

### ■ ESTIMATING/YIELD

**SOLHYDROCOAT PRIMER 100** is packaged in a 11.4 L (3 gal) units.

Coverage is 115 ft<sup>2</sup>/gal at 14 mils DFT and WFT. May be saturated with a silica sand sprinkling at the rate of 0.5 lbs / ft<sup>2</sup>

### ■ PRECAUTIONS/RESTRICTIONS

During application and initial cure cycle, substrate and ambient air temperatures must be at a minimum of 7°C (45°F).

Substrate temperature must be at least 3°C (6°F) above the dew point ( for lower temperatures contact your **SOLHYDROC** representative). Apply another coat of primer if recoat window has elapsed.

### ■ PACKAGING

**SOLHYDROCOAT PRIMER 100** 11.4 L (3 gal) and

### ■ RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

- Power drill with "Jiffy" type mixer
- Squeegee
- Roller
- Airless spray equipment

### ■ CLEANING

Use **ACETONE** to clean all tools and equipment.

### ■ STORAGE

**SOLHYDROCOAT PRIMER 100** must be stored in a dry temperate area.

Avoid freezing.

### ■ SECURITY

See Material Safety Data Sheet.

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SOLHYDROC WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. SOLHYDROC makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling.

*For Professional Use Only*

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