



SOLHYDCOAT PRIMER 100

100% solids, moisture tolerant
epoxy primer

SOLHYDCOAT 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

SOLHYDCOAT 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:

- SOLHYDCOAT 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 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 BMQ SOLUTIONS epoxy systems

■ PRIMING

No primer required.

■ 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.

■ PRODUCT MIXING

- Thorough blending of the components is essential for maximum performance of SOLHYDCOAT 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	100 MPa at 28 days
Viscosity	425 cps	Compressive Strength ASTM C579	425 cps
VOC	- 0 -	Abrasion resistance ASTM D4060	0.1g lost
Elongation ASTM D638	6.7%	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.
		Light traffic	7 days



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■ PRODUCT APPLICATION

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

■ CURING

SOLHYDCOAT PRIMER 100 is a self-curing material.

■ ESTIMATING / YIELD

SOLHYDCOAT PRIMER 100 is packaged in a 11.4 L (3 gal) units. Coverage is 115 f²/gal at 14 mils DFT and WFT. May be saturated with a silica sand sprinkling at the rate of 0.5 lbs / ft².

■ 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

SOLHYDCOAT PRIMER 100 :
11.4 L (3 gal)

■ 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

SOLHYDCOAT PRIMER 100 must be stored in a dry temperate area. Avoid freezing.

■ SAFETY

See Material Safety Data Sheet.

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

For Professional Use Only