

SOLHYDCOAT PRIMER H.S.

Two component, high solids, epoxy primer

SOLHYDCOAT PRIMER H.S. is a two-component, high solids, epoxy primer that provides a smooth, blush resistant surface under cool, high humidity conditions. **SOLHYDCOAT PRIMER H.S.** is tack free in 3.5 hours, but has an 18 hours recoat window.

USES

SOLHYDCOAT PRIMER H.S. is used as a moisture tolerant primer over properly prepared concrete surfaces and vitreous substrates such as ceramic tile, quarry tile, glass, polished granite, acid brick and furan grouts.

TYPICAL USES:

- As a primer for **STRUCTUROC HCR-F** and **HCR-F(n)** polymer concretes
- As a primer for **SOLHYDTOP** epoxy mortars
- As a primer for **SOLHYDCOAT**, **SOLHYDLIING** and **SOLHYDGLAZE** epoxy systems
- As a primer for **SOLHYDFLEX** membranes

PRODUCT FEATURES

- Cures at low temperatures 7°C (45°F)
- Cures blush-free under high humidity (up to 80% humidity)
- Long recoat window (18 hours)
- Acts as outstanding metal and concrete sealer

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 **SOLHYDCOAT PRIMER H.S.**. Mix Part A and Part B separately with a low speed 1/2" drill (250-300 rpm) with Jiffy mixing paddle. Then add Part A to Part B 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.

PRODUCT APPLICATION

Apply the **SOLHYDCOAT PRIMER H.S.** at the recommended coverage rate of 6m²/L (244 sq ft/gallon) using a short nap roller or squeegee.

CURING

SOLHYDCOAT PRIMER H.S. is a self-curing material.

ESTIMATING/YIELD

SOLHYDCOAT PRIMER H.S. is packaged in a 7.5 L and 37.8 L (2 and 10 gal) units. Coverage rate is 6m²/L (244 sq ft/gallon) at 4.7 mils DFT.

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

PHYSICAL TESTING		MIXING/RATIO	
Hardness Shore D	65	Mixing/Ratio	1.1
Tensile Strength ASTM D638	45 MPa	Color	Clear
Adhesion ASTM D1002 (100% concrete failure)	2.3 MPa	% of solids	72%
Flammability ASTM 635	Self-extinguishing on concrete	VOC	219 g/L
Thermal Shock (100 cycles freeze/thaw)	No evidence of deterioration	CURING @ 23°C, 50 RH	
Impact resistance MIL-D3134J	160 (direct in/L) 80 (Reverse in/L)	Dry to the touch	3.5 hours
Reverse impact (laminated 5/16") MIL-D-3134J	207 in/L	Recoat time	1.5 to 18 hours
		Final cure	11 hours

SOLHYDROC

SOLHYDROCOAT PRIMER H.S.

Two component, high solids, epoxy primer

■ 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). Reprime if recoat window time has expired.

■ PACKAGING

SOLHYDROCOAT PRIMER H.S. 7.5 L (2 gal) and
37.8 L (10 gal) units

■ RECOMMENDED TOOLS

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

- Squeegee
- Brush
- Short nap roller
- Spiked shoes
- Steel trowel

■ CLEANING

Use acetone for cleaning tools.

■ STORAGE

SOLHYDROCOAT PRIMER H.S. must be stored in a dry temperate area.
Avoid freezing.

■ SECURITY

See Material Safety Data Sheet.

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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