

SOLHYDCOAT URETHANE FINISH

Two component polyurethane based coating

SOLHYDCOAT URETHANE FINISH is a two component catalyzed polyurethane based coating for interior or exterior applications that offers excellent durability and good color stability while maintaining its long term lustre with a good resistance to weathering and dulling.

USES

Sealing of concrete surfaces to protect against weathering, ultra-violet rays, abrasion and certain aggressive chemical products.

TYPICAL USES:

- Food industry warehouse and plant floors
- Commercial and institutional concrete floors
- Maintains its lustre over the long term
- Protection of Solhycoat Epoxy coatings against ultra-violet rays

Meets V.O.C. requirements with low odor during application.

PRODUCT FEATURES

- Excellent resistance to deterioration caused by exposure to ultra-violet rays
- Excellent resistance to wear and abrasion
- Maintains its lustre of the long term
- Good chemical resistance

Free of solvents formula, meets VOC requirements with very low odor during application.

SURFACE PREPARATION

• Concrete surfaces must be clean, sound and free of old existing coatings. New concrete should cure a minimum of 28 days. Dry surfaces allow easier application of this product, however, product will adhere to clean, damp surfaces.

- Remove all debris from working surface.
- Remove all oils, greases, dirt and wax solutions from surface.
- Use suitable means to remove contaminants, heavy laitance, or curing compounds, which will interfere with proper adhesion.

Special consideration must be given to oil or other foreign material which may have penetrated into the concrete. Pull Tests must always be used to verify adequacy of preparation.

- Repair all cracks with appropriate **SOLHYDWELD** resin.

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

PHYSICAL TESTING		CURING @ 50°C RELATIVE HUMIDITY	
Hardness ASTM D2240	24		25°C (77°F)
Flexural Strength ASTM D222	1/8" mandrel	Dry to touch	2 hours
Adhesion ASTM D3359 B	No scaling	Working time	1 to 2 hours
Elongation ASTM D638	25%	Light traffic	24 hours
Resistance to impacts ASTM D2794	Direct in – lbs > 100 Inversed in – lbs > 80	Final cure	7 days
Taber wear index	.030 - .040	Pot Life	2 to 3 hours
Resistance to salts	> 96 hours		
MIXING/RATIO			
Mix ratio A:B	2:1		
Color	Clear, Concrete grey		
% of Solids	58%		
Viscosity	100 @ 150 cps		
V.O.C. ASTM D3960	350 g/L		

SOLHYDROCOAT URETHANE FINISH

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PRIMING

SOLHYDROCOAT URETHANE FINISH must be applied on a surface which has received a primer (Solhydrocoat Primer series) or that has been covered with a coating (Solhydrocoat series).

PRODUCT MIXING

SOLHYDROCOAT URETHANE FINISH is supplied in a two component system. Open the component "A" and mix the resin until reaching a homogeneous consistency. Open the "B" component and add it to the "A" component. Mix with the help of a low speed (200-300 rpm) mixer until a homogeneous color has been attained.

PRODUCT APPLICATION

PLACING

Apply the material using a squeegee or a short nap roller. Level material with a short nap roller to make the surface uniform and eliminate bubbles. For industrial applications an "Airless" type equipment is recommended. Apply at a rate of 6 square meters per liter per coat. The yield will be 3 mils dry per coat. For best results use a .013-.015 @ 2500 psi nozzle tip. Use a 100 mesh in line filter. The specified application rate must be carefully respected.

CURING

SOLHYDROCOAT URETHANE FINISH is a self-curing material.

ESTIMATING/YIELD

SOLHYDROCOAT URETHANE FINISH is packaged in 11.5 liter units. It covers 6 m² per liter which yields a thickness of 2.5 to 3.5 mils DFT.

Coverage: per 11.5 L unit:

<i>Nominal Thickness</i>	<i>Approximate Surface</i>
3 mils	69 m ²

PRECAUTIONS/RESTRICTIONS

During the application and initial curing the ambient temperatures and of the substrate must be between 10°C and 40°C with a relative humidity below 80%. The temperature of the substrate must be at least 3°C above the dew point.

Must be applied on a dry and clean surface.

PACKAGING

SOLHYDROCOAT URETHANE FINISH 11.5 L units
Qty: 50 units per skid

RECOMMENDED TOOLS

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

- Squeegee
- Brush
- Short nap rollers
- Spiked shoes
- Airless spray equipment (contact **SOLHYDROC** representative for details)

CLEANING

Use acetone for cleaning tools.

STORAGE

SOLHYDROCOAT URETHANE 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

www.solhydroc.com