LAHALT
POWERFUL INDUSTRIAL COATINGS

POWERCOAT SS

PRODUCT DESCRIPTION

A high quality, plasticizer free, single component, water-based, 100% acrylic elastomeric coating. Designed to provide maximum adhesion and bleed-through resistance over smooth asphalt even in the presence of water. Designed to tolerate some standing water when reinforced with fabric.May be used over smooth or granulated substrates. Adheres to most Aluminized coatings (Adhesion should be verified prior to application) Formulated to act as a barrier to block discoloration. Has the unique ability to “breath”, providing a completely watertight membrane while allowing trapped moisture to escape

PRODUCT FEATURES

- 100% Acrylic
- Plasticizer Free
- Water-based
- Single Component
- Exceptional weather resistance
- Breathable
- Excellent UV resistance
- Applied by spray, roller or brush
- Provides a seamless durable coating/membrane
- Sustainable
- Superior adhesion
- Bleed-through resistance over asphalt

TYPICAL USES

- Basecoat for application over smooth surface asphalt such as built up and modified bitumen substrates.
- Low areas and waterways when used in combination with reinforcing fabric
- With a suitable top coat it is an exceptional protective system for asphaltic membranes.

TECHNICAL DATA

Colors:	Ivory - Satin Flat
Solids by volume:	50 +/- 2%
Solids by Weight:	65 +/- 2%
Theoretical Coverage @ 12 mil:	66.83 sf/gal
Recommended DFT per coat:	8 - 12 mils
	depends on the application
Yield (1 - 1.5 gal/sq)	8 - 12 dry mils
Recommended WFT per coat: (1 - 1.5 gal/sq)	16 - 24 mils
	depends on the application
Viscosity:	115 +/- 10 KU

Drying times (75°F) 90 mins @ 50% humidity	
Yield (1 gal to 100 sq ft)	8.8 dry mills
Dry Time:	5 hours
Cure Time:	24 hours
Shelf Life: (When stored between 40°F and 70°F (4°C - 21°C).	6 months (unopened)
Packaging:	55 gal drum (208.2 liters)
	5 gal pail (18.9 liters)
V.O.C.:	< 50 grams/liter
Density:	11.4 lbs/gal

APPLICATION GUIDE

SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, peeling coating or other foreign matter.

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APPLICATION PROCESS

This product may be brushed, rolled or sprayed on a clean, dry surface. In waterways or low areas material should be applied as follows:

- Apply Powercoat SS at a rate of 1 gallon/sq.
- Immediately embed a layer of Powercoat 272 fabric in wet coating.
- Immediately apply a further application of Powercoat SS at a rate of 1 gallon/sq.
- Allow to cure for at least 24 hours.

For details see Equipment Recommendations at the end of this sheet. It is critical that this be allowed to cure for a MINIMUM of 24 hours and even longer in cool or high humidity environments. **Note: Blistering will occur if topcoat is applied over basecoat that is not completely dry** If any contamination of a thoroughly cured surface occurs, it must be washed with a chemical cleaner before applying subsequent coats. Hand application can be done with squeegee and roller

PHYSICAL PROPERTIES

Property	Test Method	Result
Tensile Strength	ASTM D-2370	100 psi ±25
Elongation:	ASTM D-370	980% ± 25
Perms	ASTM D-1653	3
Solids Content by Weight	ASTM D-370	65% ± 2
Solids Content by Volume	ASTM D-1644	50% ± 2
Density	ASTM D-370	11.4 lbs gal
VOC	Method 24	<50 g/liter
Flash Point	ASTM D-1310	>212° F
Temperature Limit		0 ° F to 185° F
Low Temp Flexibility	ASTM D-522	Passes 180° F Flex over 1/8 Mandrel @ =30° F
Cure Time		24 hours depending on Temp. & Humidity

❖ Meets Requirements for ASTM D6083 Acrylic Elastomeric Roof Coating

ENVIRONMENTAL CONDITIONS

Product should not be applied when the ambient temperature is below 32° F or the temperate will fall to within 5 degrees of the dew point within 6 hours after application. Do not apply in late afternoon if high humidity exists, it may cause high moister condensation on the surface overnight.

PONDED WATER

- This material has been used successfully in low areas and waterways however Lahalt warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual.)

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LIMITATIONS

Surface must be clean and dry. Powercoat SS is water based and requires evaporation to cure. Material must cure for at least 24 hours. Low temperature and high humidity will slow the cure process. In these situations even longer cure times will be necessary. **Note: Blistering will occur if topcoat is applied over basecoat that is not completely dry** Do not apply Powercoat SS if there is any moisture on the substrate or risk of precipitation. If applied where there is a risk of vapor drive, such as cold storage and refrigerated tank application there must be a suitable vapor barrier. Powercoat SS is not intended as a thermal Barrier.

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to SDS and product labels. More resources are available at polyurethane.org, sprayfoan.org and lahalt.com or by contacting Lahalt directly.

APPLICATION EQUIPMENT

MINIMUM REQUIREMENTS		
Brush:	Synthetic filament	
Roller:	1 1/4” nap roller	
Spray Pump:	30:1 fluid to air ratio capable pump	2 1/2 - 3 gallons or more per minute
Filter:	30 mesh or larger	3000 psi
Hose:	Hose rated to 2x maximum pump pressure	Hose lining should be compatible with coating and required cleanout materials
	Hose lengths : (Largest diameter at pump) • 3/8 minimum I.D. up to 75 feet 3/4 minimum I.D. over 200 feet	• 3/8 minimum 6 ft wip • 1/2 minimum I.D. up to 200 feet
Spray Gun:	Standard Contractor gun-no filters	
Spray Tips:	• Reversible self-cleaning type • Fan angle of 40° to 50°	• Orifice size of .017 to .029
	Always use components rated for pump pressures.	

See the material safety data sheet and product label for complete safety and precaution requirements.

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