

PRODUCT DESCRIPTION

Highest performance, plasticizer free, single component, water-based, 100% acrylic elastomeric coating for spray brush or roller application. Industry leading tensile and elongation properties contribute to an extremely durable and long lasting membrane with exceptional resistance to weathering. Formulated utilizing special pigments and biocides to provide maximum UV resistance along with a polymer technology that sets the standard for roof coating resistance to discoloration from dirt accumulation. Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood and concrete. Has the unique ability to “breathe”, 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

TYPICAL USES

- Galvanized metal roofs
- Concrete roofs
- PVC roofs
- Hypalon roofs
- Primed smooth & granulated modified roofs
- EPDM roofs
- Polyurethane Foam roofs

TECHNICAL DATA

Colors:	White, Gray and Ivory other colors on request	Drying times (20°C) based on 20 mils	
Solids by volume:	55 +/- 2%	Tack free :	90 min @ 50% humidity
Solids by Weight:	66 +/- 2%	To recoat:	> 6 hours
Theoretical Coverage @ 12 mil:	73.52 sf/gal	Complete cure:	30 days
Recommended DFT per coat:	9 - 14 mils depends on the application	Packaging:	5 gal pail (18.9 liters)
Yield (1 gal to 100 sq ft)	8.8 - 13.2 dry mills		55 gal drum (208.2 liters)
Recommended WFT per coat: (1 - 1.5 gal/sq)	16 - 24 wet mils depends on the application	V.O.C.:	< 50 grams/liter
Viscosity:	110 +/- 10 KU	Density:	11.1 lbs/gal

APPLICATION GUIDE
SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter. All wet insulation or foam should be removed and replaced with like materials. For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part Bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials. **Masonry:** Allow fresh masonry to cure a minimum of 30 days, prime with Powercoat Metal Prime. **EPDM:** Prime with Powercoat EP primer/cleaner, ensure no primer residue remains. **PVC, Hypalon, aged TPO:** Prime with Powercoat SP. **Polyurethane foam:** Apply directly (must be coated within 24 hours of installation). **Granulated Asphalt:** Basecoat with Powercoat GS Base. **Smooth Asphalt:** Basecoat with Powercoat SS Base. **Other:** For other substrates refer to the Lahalt Primer Recommendation table.

APPLICATION PROCESS

This product may be brushed rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 75° C. Before applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats.

PHYSICAL PROPERTIES

Property	Test Method	Result
Volume solids	ASTM D-1653	55.0 +2%
Weight Solids	ASTM D-1644	66.0 +2%
Tensile Strength	ASTM D-2370	500 +50 PSI
Elongation	ASTM D-2370	600 +50%
Permeability	ASTM D-1653	14 +3
Tear Resistance	ASTM D-624	133 +3 PSI
VOC	EPA Method 24	< 50 g Liter
Low temperature Flexibility (-15°, 1/2 in mandrel, 1000hrs weathering)		Pass
Hardness (Shore A)	ASTM D-1653	50 - 55
Tensile Strength (with 272 Fabric)	ASTM D-1644	2200 +100 PSI
Elongation (with 272 Fabric)	ASTM D-2370	50 +10%
Reflectivity	ASTM D-2370	87%
Emittance	ASTM D-1653	.90
SRI	ASTM D-624	107
Viscosity		110 + 10 KU
Density		11.1 lbs per gallon
Flashpoint		None
Shelf Life (When stored between 40°F and 70°F (4°C - 21°C))		24 months (Unopened)

❖ Meets Requirements for ASTM D6083 Acrylic Elastomeric Roof Coating

ENVIRONMENTAL CONDITIONS

This product cures by water evaporation only. Product must not be applied when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

PONDED WATER

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).

LIMITATIONS

Surface must be clean and dry. Application is not recommend on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of Powercoat HT requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use 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, sprayfoam.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 gallons or more per minute (continuous)
Filter:	30 mesh or larger	
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)	
	<ul style="list-style-type: none"> • 3/8 minimum I.D. up to 75 feet 	<ul style="list-style-type: none"> • 3/8 minimum 6 ft wip • 1/2 minimum I.D. up to 200 feet
	3/4 minimum I.D. over 200 feet	
Spray Gun:	Graco Hydra Mastic or equivalent	
Spray Tips:	<ul style="list-style-type: none"> • Reversible self-cleaning type • Fan angle of 40° to 50° 	<ul style="list-style-type: none"> • Orifice size of .027 to .039

Always use components rated for pump pressures.

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

DISCLAIMER:

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."