LAURENCO WATERPROOFING

P.O. Box 599
Mars, PA 16046
(800) 446 - 2340

LAURENCO PMMA-H RESIN
TECHNICAL DATA SHEET
Item #: 83240-PAIL-10KG
83240-PAIL-20KG

PRODUCT DESCRIPTION

Laurenco PMMA is a two-part, high quality roofing / waterproofing resin designed for use as a stand-alone roofing waterproofing product or in conjunction with other Laurenco Waterproofing products.

PRODUCT USES

When product components are combined, Laurenco PMMA forms a strong, monolithic membrane. Laurenco Poly-Fleece can be embedded in the PMMA to help reinforce the coating and increase tensile strength. Laurenco PMMA is compatible with the Laurenco waterproofing system. Laurenco PMMA can be used as a complete waterproofing system when combined with Laurenco PMMA Flashing Resin.

COLOR

Laurenco PMMA-H is currently offered in White and Gray (upon request)

*Contact Laurenco Technical Department regarding special colors, and minimum order quantities.

PACKAGING

Laurenco PMMA is packaged into 10-kg. (22 lbs.) and 20-kg. (44lbs) re-sealable drums with locking rings.

COVERAGE RATE

Smooth Surfaces

- Minimum total consumption: 31 kg/100 sf (3.3 kg/m^2)
- Base Coat (minimum consumption): 19 kg/100 sf (2.0 kg/m^2)
- Top Coat (minimum consumption): 12 kg/100 sf (1.3 kg/m^2)

Granule Surfaces

- Minimum total consumption: 40 kg/100 sf (4.3 kg/m^2)
- Base Coat (minimum consumption): 28 kg/100 sf (2.0 kg/m^2)
- Top Coat (minimum consumption): 12 kg/100 sf (1.3 kg/m^2)

Coverage rates will vary based upon the smoothness and porosity of the surface. Contact a Laurenco representative for information on unique or specific applications.

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APPLICATION

Laurenco PMMA is formulated for all seasons with a temperature range between 20°F (-6°C) minimum to 100°F (37.77°C). The ambient temperature at the jobsite will determine the amount (% by weight) of FBC/Laurenco Catalyst to be added. For hot days, make sure to provide shade over substrate and keep the substrate surface temperature below 122°F (50°C) before and after application.
Laurenco PMMA Resin can be used in ambient temperatures from 20°F (-6°C) to 100°F (37°C) See the mixing chart for the correct amount (%) of catalyst per weight based on the temperature of application.
*DO NOT APPLY WHEN AMBIENT TEMPERATURE IS OUTSIDE OF THESE RANGES!

STORAGE

Keep product closed and stored indoors in a cool, dry area away from heat, ignition sources, or open fire. Do not store in direct sunlight, around strong acids or alkalis, or oxidizing agents. Normal shelf life is 6 months. If stored in temperatures above 77°F (25°C), shelf life will be reduced. Do not freeze or store in temperatures below 32°F (0°C). Product can polymerize if temperatures reach 140°F (60°C) or above. Keep material in a shaded and well-ventilated area if stored at job site. If shade is unavailable, use a white, reflective tarp to cover material in a way that still allows the air to circulate underneath.

MIXING & CATALYZING

When preparing a full drum, mix drum of resin for 2-3 minutes before pouring into a second container. Since PMMA has a pot life, take care to only catalyze the amount that can be used during that time period. Pre-measure and add catalyst to the container of resin. Using a slow-speed agitator or mixing stick, stir mixture for 2 minutes. Use the chart below to calculate how much catalyst is needed dependent on weight and ambient temperature.

POT LIFE

At 68°F (20°C), Laurenco PMMA has a pot life of approximately 12 to 18 minutes depending on ambient temperature, humidity and amount of catalyst. Pot life will be reduced at higher temperatures. To maximize the pot life, make sure to keep resin mixture cool after catalyst is added.

SET (CURE) TIMES

The actual cure time of Laurenco PMMA will vary based upon temperature and humidity.

Rain Proof at 68°F (20°C) – Approximately 30 minutes
Next Coat – Approximately 45 minutes
Foot Traffic – Approximately 2 hours

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CLEAN UP

Clean all tools with Laurenco Resin-Clean. BEFORE resin hardens.

HANDLING

Vapors are flammable and can be explosive when mixed with air. Do not breathe in vapors. Keep away from fire, open flame, or ignition source. Do not eat, drink, or smoke. Avoid contact with skin or eyes. Be sure to read and fully understand SDS before using product. See SDS for more information.

PERSONAL PROTECTION EQUIPMENT (PPE)

To ensure safe use of this product, applicators should wear a long-sleeved t-shirt, long pants, and work boots. Butyl rubber or nitrile gloves should be worn when mixing or applying. Safety glasses should be worn at all times. A NIOSH approved respirator must be worn when using product in poorly ventilated areas in danger of exceeding a safe Threshold Limit Value (TLV). Do not use a dust mask or filtered face mask.

MIXING CHARTS (% by weight)

TEMPERATURE RANGES

1.7% @ 70°F - 100°F	2 pouches / 10kg	
Resin Quantity	g	Kg
1.0 kg (0.72 liter)	17	0.017
5.0 kg (3.6 liters)	85	0.085
10 kg (7.2 liters)	170	0.170
1.0 liter	24	0.024
5.0 liter	120	0.120

3.4% @ 50°F – 70°F	4 pouches / 10kg	
Resin Quantity	g	Kg
1.0 kg (0.72 liter)	34	0.034
5.0 kg (3.6 liters)	170	0.170
10 kg (7.2 liters)	340	0.34
1.0 liter	48	0.048
5.0 liter	240	0.240

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MIXING CHARTS (% by weight) (Continued)

5.1% @ 35°F - 50°F	6 pouches / 10kg	
Resin Quantity	g	Kg
1.0 kg (0.72 liter)	51	0.051
5.0 kg (3.6 liters)	255	0.255
10 kg (7.2 liters)	510	0.51
1.0 liter	72	0.072
5.0 liter	360	0.120

6.8% @ 20°F - 35°F	8 pouches / 10kg	
Resin Quantity	g	Kg
1.0 kg (0.72 liter)	68	0.068
5.0 kg (3.6 liters)	340	0.340
10 kg (7.2 liters)	680	0.680
1.0 liter	96	0.096
5.0 liter	480	0.480