

## **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 pails with locking rings.

#### **COVERAGE RATE**

Minimum consumption: Two 45 mil coats, Laurenco Poly-Fleece reinforcement fabric embedded between the two coats. Application of 45-55 mils is typical.

Coverage rate: 80 sf/10kg coverage if applied at 45 mils; 40 sf/10kg coverage with two coats totaling 90 mils

See recommendations for specific applications. Yields will vary depending upon the system selected and the smoothness and absorbency of the substrate. Some applications will not need to use Poly-Fleece reinforcement, a single 90-100 mil application is sufficient

#### **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

### **APPLICATION (CONT.)**

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 pail, mix pail 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

### **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 (Pouches per 10kg pail)

#### TEMPERATURE RANGES

<u>Temperature Range 20°F – 35°F</u>	
Resin Quantity	Pouches
10 kg (7.2 liters)	8

  

<u>Temperature Range 35°F – 50°F</u>	
Resin Quantity	Pouches
10 kg (7.2 liters)	6

  

<u>Temperature Range 50°F – 70°F</u>	
Resin Quantity	Pouches
10 kg (7.2 liters)	4

  

<u>Temperature Range 70°F – 100°F</u>	
Resin Quantity	Pouches
10 kg (7.2 liters)	2