

LAURENCO PRR

TECHNICAL DATA SHEET

Item #: 83239-PAIL

PRODUCT DESCRIPTION

Laurenco PRR is a high performance PMMA, **polyester reinforced resin**, that when catalyzed with Laurenco PMMA Catalyst, results in fast curing, highly viscous waterproof PMMA.

PRODUCT USES

Laurenco PRR has multiple uses. As a paste PRR can be used to seal protrusions and penetrations in waterproofing and roofing applications such as, but not limited to bolts, screws, railing posts and plates.

PRR can also be utilized as a PMMA mortar for repairs to inconsistent or damaged substrates, both vertical and horizontal. As a repair mortar PRR should be applied in multiple lifts not exceeding 1.5" to 2.0" per lift, allowing the previous lift to set for approximately 20 minutes before adding additional lift(s).

COLOR

Laurenco PMMA-H is white in color.

PACKAGING

Laurenco PRR is supplied in 10-kg (22-lb) resealable drums with locking rings.

COVERAGE RATE

See recommendations for specific applications. Yields will vary depending upon the substrate and type of repair or penetration being sealed.

APPLICATION

Laurenco PRR can be applied when the ambient and substrate temperatures are between 20°F (-6°C) and 100°F (37°C). Discontinue PRR application when the ambient or substrate temperature is outside the range listed above. Provide adequate shade over the substrate area both prior to and during application as necessary to maintain substrate surface temperatures below 100°F (37°C).

STORAGE

Product shelf life is approximately 6 months from ship date. Shelf life will be reduced if product is stored at temperatures above 77°F (25°C). Store indoors in a closed container in a well-ventilated, cool, dry area away from heat, open fire, any ignition source, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Do not store in temperatures below 32°F (0°C). Product may auto-polymerize at temperatures greater than 140°F (60°C). Materials

stored on the job site during applications should be kept on a pallet in a shaded, well-ventilated area. In unshaded areas, materials should be covered with a white, reflective tarp in a manner that allows air circulation underneath the tarp.

MIXING & CATALYZING

If batch mixing, thoroughly mix the entire drum of resin for 2-3 minutes prior to pouring resin into a second container. Catalyze only the amount of resin that can be used within the anticipated pot life. Add pre-measured catalyst to the resin, stir for 2 minutes using a slow-speed mechanical agitator or mixing stick, and apply to the substrate. The amount of catalyst needed is based on the weight of the resin used, and varies with the ambient temperature as shown in the chart on the back of this sheet.

POT LIFE

Laurenco PRR pot life is approximately 12-15 minutes at 68°F (20°C). Pot life will be reduced if the resin is at higher temperatures. Pot life can be maximized by storing product under controlled conditions and ensuring that the resin is at the low range of minimum storage temperature during/following the addition of catalyst and prior to application.

SET (CURE) TIMES

Minimum set (cure) times noted below are approximate, and may vary. The information provided is based on laboratory conditions, and is intended for use as a guideline only. Actual set (cure) times should be established in the field, based on actual field conditions.

Rain Proof at 68°F (20°C): Approximately 20 minutes

Ready for Next Coat (when needed) at 68°F (20°C): Approximately 20 minutes.

Trafficable (if needed) in approximately 45 to 90 minutes.

CLEAN UP

When work is interrupted or completed, reusable tools must be thoroughly cleaned with ethyl acetate before any catalyzed resin on the tools hardens.

HANDLING

Do not smoke. Keep away from open fire, flame, or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink, or smoke in the application area.

Consult the Safety Data Sheet for additional information pertaining to this product.

PERSONAL PROTECTION EQUIPMENT (PPE)

Workers must wear a long-sleeved shirt with long pants and work boots. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. Safety goggles are required for eye protection.

Use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a

NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. Specific type of respirator will depend on the airborne concentration. Filtering face piece or dust mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

MIXING CHARTS (% by weight)

TEMPERATURE RANGES

1.7% @ 70°F - 100°F	2 pouches / 10kg	
<u>Resin Quantity</u>	<u>g</u>	<u>Kg</u>
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	
<u>Resin Quantity</u>	<u>g</u>	<u>Kg</u>
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

5.1% @ 35°F - 50°F	6 pouches / 10kg	
<u>Resin Quantity</u>	<u>g</u>	<u>Kg</u>
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

MIXING CHARTS (% by weight) (Continued)

6.8% @ 20°F - 35°F	8 pouches / 10kg	
<u>Resin Quantity</u>	<u>g</u>	<u>Kg</u>
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