

## **LAURENCO BLUE UNIVERSAL PRIMER**

### **TECHNICAL DATA SHEET**

#### **Item #: 83237-PAIL**

#### **PRODUCT DESCRIPTION**

Laurenco **BLUE** is a high performance PMMA resin which, when catalyzed with Laurenco Catalyst, results in a fast-curing PMMA universal primer.

#### **PRODUCT USES**

Catalyzed **BLUE** is used prior to application of PMMA Waterproofing Systems, PMMA Roof Membrane Systems, PMMA Flashing Systems where substrates such as but not limited to: wood, concrete, BUR, Laurenco Sheet are to be treated prior to the application of Laurenco PMMA Flashing or "H" resin. **BLUE** is a universal primer eliminating the need of separate primers for various substrates.

#### **COLOR**

Laurenco **BLUE** has translucent blue tint which allows the applicator to see where the primer has been installed.

#### **PACKAGING**

Laurenco **BLUE** is supplied in 10-kg (22-lb) resealable pails with locking rings.

#### **COVERAGE RATE**

Minimum consumption: 0.037kg/sf (0.4 kg/m<sup>2</sup>)

See recommendations for specific applications. Yields will vary depending upon the system selected and the smoothness and absorbency of the substrate.

#### **APPLICATION CONDITIONS**

Laurenco **BLUE** can be applied when the ambient and substrate temperatures are between 20°F (-6.6°C) and 100°F (37.7°C). Discontinue primer 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 (37.7°C).

NOTE: Laurenco **BLUE** can be covered with PMMA Base Resin, PMMA Flashing Resin and PMMA Roof Membrane Resin a minimum of 45 minutes following application. **BLUE** Resin can be exposed for up to 6 months. If the surface of the primer becomes dirty or contaminated from long-term exposure to the elements, thoroughly clean the in-place and cured primer with Laurenco recommended cleaner. After the cleaner has been allowed to evaporate, the primer may be re-coated as required.

## STORAGE

Product shelf life is approximately 12 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 great than 140°F (60°C). Materials stored on the job site during application 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.

## 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 shall 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 & CATALYZING

If batch mixing, thoroughly mix the entire drum of **BLUE** for 2-3 minutes prior to pouring resin into a second container. Catalyze only the amount of **BLUE** 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 below.

## POT LIFE

Laurenco **BLUE** pot life is approximately 10 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) TIME**

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 25 minutes  
Ready for Next Coat at 68°F (20°C): Approximately 45 minutes

**TOOL CLEANING**

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

**MIXING CHARTS (% by weight)**

TEMPERATURE RANGES

1.7% @ 70°F - 100°F	2 Pouches / 10 kg	
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 / 10 kg	
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

**MIXING CHARTS (% by weight) (Continued)**

5.1 % @ 35°F - 50°F	6 Pouches / 10 kg	
<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

6.8% @ 20°F - 35°F	8 Pouches / 10 kg	
<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