

PMMA PRIMER R

Item No. 83233SP

Commercial Product Data Sheet



EXCELLENCE IN WATERPROOFING
SINCE 1955

Product Description

PMMA Primer R is a high performance thixotropic PMMA resin which, when catalyzed with Laurenco PMMA Catalyst, results in a fast-curing PMMA primer.

Product Use

Catalyzed PMMA Primer R is used prior to application of the PMMA Roof Membrane System over asphaltic substrates found in conjunction with roofing and flashing applications. PMMA Primer R should not be used over cementitious substrates.

Packaging

PMMA Primer R is supplied in 10-kg (22-lb) resealable drums with locking rings.

Colors

PMMA Primer R is a translucent, cloudy base color.

Coverage Rates (smooth non-absorbent substrates)

Minimum consumption: 0.037 kg/sf (0.4 kg/m²)

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

Application Conditions

PMMA Primer R can be applied when the ambient and substrate temperature is between 32°F (0°C) and 95°F (35°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 95° F (35° C).

NOTE: PMMA Primer R can be covered with the PMMA Roof Membrane System a minimum of 45 minutes following application. If the surface of the primer becomes dirty or contaminated from exposure to the elements, thoroughly clean the in-place and cured primer with ethyl acetate. After the solvent has been allowed 20 minutes to evaporate, the primer may be overlaid as required.

Storage

Product shelf life is 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 greater 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 (SDS) 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 & 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

PMMA Primer R 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 ethyl acetate before the resin hardens.

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Laurenco PMMA Catalyst Mixing Chart

The amount of Laurenco PMMA Catalyst used with PMMA Primer R varies from a minimum of 2% to 6% maximum by weight, depending upon the ambient temperatures as indicated in the following table:

Resin Quantity	2% Catalyst 59°F to 104°F (15°C to 40°C)				4% Catalyst 41°F to 59°F (5°C to 15°C)				6% Catalyst 32°F to 41°F (0°C to 5°C)			
	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags	g	kg	Tblsp.	0.1-kg Bags
1 kg (1.0 liter)	20	.02	2	n/a	40	.04	4	n/a	60	.06	6	n/a
5 kg (5.0 liter)	100	0.1	10	1	200	0.2	20	2	300	0.3	30	3
10.0 kg (10.0 liter)	200	0.2	20	2	400	0.4	40	4	600	0.6	60	6