

ALT Primer 110 Resin



Product Data Sheet

Description

ALT Primer 110 Resin is a high performance thixotropic poly methyl-methacrylate (PMMA) two-component, rapid-curing, resin primer.

Product Use

ALT Primer 110 Resin is a flexible primer used as a primer/sealer for asphalt and other acceptable substrates. ALT Primer 110 promotes adhesion and reduces staining that can occur on applications over existing built-up roofing or asphalt residue and may be used at low-temperatures.

Packaging

ALT Primer 110 is supplied in 10-kg re-sealable drums with locking rings.

Coverage Rate (approximate)

Smooth substrates: 0.037 kg/ft² (0.40 kg/m²)
 Fine grained substrates: 0.046 kg/ft² (0.50 kg/m²)
 Rough substrates: 0.074 kg/ft² (0.70 kg/m²)

Gross yield/10-kg unit: 269 ft² (25 m²) @ 0.4 kg/m²

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

Storage

Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 32°F(0° C) or above 77°F(25°C). Approximate shelf life is 12-months when left sealed, unmixed and with proper storage.

Application Conditions

The normal recommended temperature range for application of this product is (ambient and substrate) between 23°F (-5°C) and 95°F (35°C).

Note: The clean and fully cured primer can be coated after a minimum of approximately 30-45 minutes up to a maximum of 6-months. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 12-hours, thoroughly clean the in-place and cured primer with ALT Activator. ALT Activator should be allowed a minimum of 20-minutes evaporation time after application, and over-coated within 60-minutes of application.

Mixing & Catalyzing

Thoroughly mix the entire drum of resin for 2-3 minutes before each use, and prior to pouring off resin into a second container if batch mixing. Catalyze only the amount of material that can be used within 10-15 minutes. Add pre-measured catalyst to the resin component, stir for 2-minutes using a slow-speed mechanical agitator or stirring stick taking care to insure uniform mixing throughout including sides and bottom of container. For temperatures below 50°F (10°C) catalyst will take longer to dissolve and should be stirred for up to 5-minutes. The amount of catalyst added is based on the weight of the resin used.

catalyst required per 1-kg of resin used					
6% Catalyst 23°F to 50°F (-5°C to 10°C)		4% Catalyst 50°F to 68°F (10°C to 20°C)		2% Catalyst 68°F to 95°F (20°C to 35°C)	
g	kg	g	kg	g	kg
60	.06	40	.04	20	.02

Working Times (at 68°F (20°C))

- Pot Life: approx. 10 to 15-minutes
- Rainproof: approx. 30-minutes
- Next Coat: approx. 45-minutes
- Fully Cured: approx. 3-hours

The times noted above are approximate, provided as a guideline, and may vary. Actual set times and cure should be established in the field based on actual field conditions.

Tool Cleaning

When work is interrupted or completed, tools must be thoroughly cleaned with ALT Activator before the resin hardens.

Safety Recommendations

Refer to product Safety Data Sheet (SDS) prior to use or handling.

Disposal

Catalyzed and cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

Ordering Information

ALT Primer 110 Resin (clear)

- Item #: 107-000-005U 10-kg can

ALT Primer 110 Resin (white)

- Item #: 107-910-005U 10-kg can

Application Guidelines

Handling

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

Personal Protection Equipment

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Surface Preparation

All substrates must be clean, dry, free of oil, grease, curing compounds, release agents, laitance, gross irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. Mask perimeter and top edge of the area to be primed and flashed to provide clean lines and prevent over-painting of resins. Remove and re-apply masking before resin cures and as required between coats. Apply ALT primer to substrate as required. Refer to ALT "Substrate Preparation & Priming Guidelines" for specific recommendations and requirements. Contact ALT Technical Department for recommendations regarding specific applications.

Application

After mixing, apply resin to clean and prepared substrate at the required consumption using ALT approved rollers. Brushes may be used in areas inaccessible to rollers. The resin should be spread evenly onto the surface using care to avoid excessive resin and puddling. After curing, visually check primer layer for defects (bubbles or missed areas) and apply second coat of primer to these areas as needed to completely seal substrate. Bubbles should be knocked down with light sanding primer to applying second coat of primer.

When primer will be overlaid by ALT Mortar (ALT RS242, ALT RS233, etc.) apply a second coat of primer lightly broadcast with 0.2 - 0.6 mm kiln-dried quartz aggregate at a rate of 0.01 - 0.02 kg/ft² (0.1 - 0.2 kg/m²) while wet. The broadcast aggregate or "sanding" provides the required roughness for application of the mortar. However, sanding must never be applied to the base layer of primer.

See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat and/or surfacing.

Remarks/Comments

The information provided regarding application of ALT Global products is based on extensive development work, as well as many years of experience, and is given to the best of our knowledge. However, due to the diverse conditions encountered in building construction, it is necessary for the contractor to test the product for its suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

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