ALT **240** Resin

Product Data Sheet

Product Description

ALT 240 Resin - two-component, fast-curing, highly flexible and crack-bridging waterproofing resin based on polymethyl methacrylate (PMMA)

Product Use

ALT 240 is used as a reinforced or non-reinforced seal coat and waterproofing layer for concrete with superior properties in bridge waterproofing and civil application under asphalt overburden. It also serves as a reinforced layer that provides a highly flexible waterproofing with the same superior properties under protective and top layers in pedestrian and vehicular surfaces in parking areas and balconies.

Colors

ALT 240 Resin is supplied in Standard Grade RAL No. 7032 Pebble Grey. Other colors available upon request.

Packaging

ALT 240 Resin is supplied in 10-kg and 25-kg re-sealable drums.

Membrane Consumption Rate (approximate)

Parking Areas and Balconies with reinforcement:
Total membrane consumption 0.25 kg/ft2 (2.7 kg/m2)

Parking Areas and Balconies without Reinforcement:
0.26 kg/ft2 (2.8 kg/m2).

For Bridge Waterproofing and Civil Application:
Without Reinforcement: 0.23 kg/ft2 (2.4 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 This product is recommended for use at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).

Mixing & Catalyzing

Thoroughly mix the entire drum of resin for 2-3 minutes. Remix 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 15-20 minutes. Add pre-measured catalyst to resin component and stir for 2-minutes using a slow-speed mechanical agitator or stirring stick.

catalyst required per 1-kg of resin used					
6% Catalyst 37°F to 50°F (3°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. 20 to 30-minutes
- Rainproof: approx. 30-minutes
- Next Coat: approx. 1-hour
- 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.

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 240 Resin – *Standard pebble grey Color** #240-732-005U Standard Grade 10.0 kg drum
#240-732-010U Standard Grade 25.0 kg drum

**Note: ALT 240 Resin is pre-pigmented at the factory*

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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 Global Technical Department for recommendations regarding specific applications.

Application

Step 1: After mixing, apply resin to substrate at a rate of 0.14 to 0.31 kg/ft^2 (1.5 to 3.3 kg/m^2) using ALT approved rollers, brushes or notched squeegee. The Resin should be spread evenly onto the surface.

Step 2: Roll ALT Fleece reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to work the resin into the fleece, saturating from the bottom up. The fleece should darken in appearance, with no white spots (white spots are indications of unsaturated fleece or lack of adhesion) showing. When required peel back fleece and apply additional resin onto the substrate, then slowly roll the fleece back into the resin, using care to remove any air pockets. It is important to correct these faults before the resin cures, or additional repairs may be required later.

Step 3: Apply an even coat of resin over top of the in-place fleece at a rate of 0.09 kg/ft^2 (1.0 kg/m^2) using ALT approved rollers. Use caution not to spread resin too thin.

Surfacing

ALT Global offers a wide variety of optional surfacing treatments for aesthetic, anti-slip or mechanical wear. See individual system specifications for specific guidelines regarding application of topcoats 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.