

ALT R295 Matrix



Product Data Sheet

Description

ALT R295 Matrix is a high performance two-component, rapid-curing, flexible acrylic resin with integral chopped polymer fiber reinforcement for flashing and repair.

Applications

ALT R295 Matrix is used to form a monolithic, self-adhering and self-terminating reinforced membrane for flashing and repairs where fabric reinforced membranes would be difficult or impossible to install.

Colors

ALT R295 Matrix is supplied in the following standard color:

Color Code	Color
7032	Pebble grey

Note: Color code is approximate RAL color number.

Packaging

ALT R295 Matrix is supplied in 5-kg & 10-kg re-sealable drums with locking rings.

Coverage Rate

Recommended consumption: 0.23 kg/ft² (2.5 kg/m²) to 0.37 kg/ft² (4.0 kg/m²) at 80 to 125 mil thickness respectively.

Gross yield/ 5-kg unit: +/-13.5 ft² (+/-1.3 m²) @ 4.0 kg/m²
Gross yield/10-kg unit: +/-27.0 ft² (+/-2.5 m²) @ 4.0 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 6-months when left sealed, unmixed and with proper storage.

Application Conditions

The product can be applied 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 before each use, and prior to portioning off resin into a second container if batch mixing. Catalyze only the amount of material that can be used within 20 minutes. Add pre-measured catalyst to the resin component, stir for 2-minutes using a slow-speed mechanical agitator or stir stick, and apply to substrate. The amount of catalyst added is based on the weight of the resin used.

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-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 Material 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 R295 Matrix Resin

#108-732-026U	5.00 kg drum
#108-732-005U	10.00 kg drum

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 Material Safety Data Sheet (MSDS) 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. 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

After mixing, apply resin to clean and prepared substrate at the required consumption using a trowel, or brush. The resin should be spread evenly onto the surface at a minimum consumption between 0.23 kg/ft² (2.5 kg/m²) to 0.37 kg/ft² (4.0 kg/m²) achieving an approximate 1/8" depth respectively. After troweling the resin in place finish the surface by smoothing out with an ALT approved roller or brush.

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.

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