

ALT RS337 Mortar



Product Data Sheet

Description

ALT RS337 Mortar is a high performance, filled, flexible methyl-methacrylate based mortar.

Applications

ALT RS337 Mortar is a trowel applied resin-mortar used as a thick coating system for interior and exterior un-reinforced waterproofing and surfacing systems. ALT RS337 Mortar is also used as a traffic surfacing applied over ALT reinforced waterproofing membranes.

Colors

ALT RS337 Mortar is available in RAL 7035 Light Grey color. Other standard and non-standard colors available on request.

Packaging

ALT RS337 Mortar is supplied in 15-kg re-sealable drums with locking rings.

Coverage Rates

For normal waterproofing and surfacing applications apply at 0.37 kg/ft² (4.0 kg/m²) with an approximate yield of 40 ft² (3.75 m²) per 15-kg unit on smooth substrates.

As a substrate repair material, ALT RS337 Mortar may be applied up to a maximum depth of 3/8-inch (9.5mm) per lift. ALT RS337 Mortar yields approximately approximate yield of 0.31-ft³ per 15-kg unit.

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness 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 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 ALT RS337 Resin for 2-3 minutes using a slow-speed twin-paddle mechanical agitator until achieving a smooth lump-free mortar consistency assuring all material from the container sides and bottom are mixed-in. Catalyze only the amount of material that can be placed within 10-15 minutes. Thoroughly mix catalyst into resin-mortar for 2-minutes at temperatures above 50°F (10°C) and 4-minutes at temperatures below 50°F (10°C). Remix un-catalyzed resin-mortar before each use, and prior to pouring off into a second container if batch mixing.

ALT Catalyst required per 15-kg Batch					
2% Catalyst 37°F to 50°F (3°C to 10°C)		~1.33% Catalyst 50°F to 68°F (10°C to 20°C)		~0.66% Catalyst 68°F to 95°F (20°C to 35°C)	
g	kg	g	kg	g	kg
300	0.3	200	0.2	100	0.1

Working Times (at 68°F (20°C))

- Pot Life: approx. 15-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-mortar hardens.

Safety Recommendations

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

Ordering Information

ALT RS337 Resin
#143-735-005U 15.0-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 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. 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

Tap out the area of work in a checkerboard fashion using duct tape or fiber reinforced masking tape. After mixing, apply ALT RS337 Mortar to clean, prepared and primed substrate at the required consumption using recommended v-notch trowel. The resin-mortar should be spread evenly onto the surface at a uniform depth. Smooth and even-out resin-mortar immediately by rolling with an ALT approved spiked roller. Before resin begins to cure, remove all masking tape. See individual system specifications for specific guidelines regarding application of additional topcoats.

Substrate Repairs

ALT RS337 Mortar may be used for substrate repairs. Place catalyzed mortar in lifts no greater than the maximum thicknesses indicated. Trowel into place and allow to harden. If additional lifts will be required, broadcast top surface of the placed resin-mortar with kiln-dried quartz silica ($\geq 0.2 - 0.6\text{mm}$) while the resin-mortar is wet. Place next lift once the resin-mortar has cured. For leveling and smoothing applications, spread and plane the resin-mortar with a squeegee and trowel to achieve a flat surface. For patching and repairs, fill cavities with resin-mortar and trowel to achieve a flat surface.

Surfacing

ALT RS337 Mortar accepts a wide variety of topcoats for aesthetic or mechanical wear. See individual system specifications for specific guidelines regarding application of topcoats and/or surfacing.

Disposal

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

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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