

# ALT R227 Resin (RS242 Mortar Component-A)



## Product Data Sheet

### Description

**ALT R227 Resin** is a high performance two-component, rapid-curing, flexible, poly methacrylate-based (PMMA) resin.

### Product Use

**ALT R227 Resin** is mixed with ALT S215 Filler to create ALT RS242 Mortar, a lean trowel-able repair mortar or a gradient leveling mortar.

### Colors

ALT R227 Resin is supplied in standard RAL No. 7032 light grey color. Other standard and custom colors are available on request.

### Packaging

ALT R227 Resin is supplied in 3.34-kg re-sealable drums with locking rings.

### Coverage Rate

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

This product is recommended for use at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).

### Mixing & Catalyzing

Briefly shake the ALT R227 Resin component and add the entire contents to ALT S215 Filler component. Use a slow-speed mechanical agitator and mix (approximately 3-minutes) until producing a smooth homogeneous mortar mixture.

***Important: Please note catalyst is contained in the ALT S215 Filler component so when combined with ALT R227 Resin component curing will be initiated. When ALT S215 Filler is stored for longer periods, additional ALT Catalyst may be required to assure full and proper curing.***

### 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.

### 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.

### Ordering Information

#### ALT R227 Resin

#109-000-026U	3.34-kg drum
#109-000-020U	1.00-kg bottle

## 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 additional information and requirements. Contact ALT Global Technical Department for recommendations regarding specific applications.

### Application

After mixing, apply ALT RS242 Mortar mixture to substrate at the required consumption using a square edge trowel. Tamp down material firmly into the bottom and sides of the patch area to ensure good adhesion. Screed and trowel the material to level with the existing surrounding concrete. Do not work surface after placing. The maximum depth per lift for large areas should not exceed 2" (50 mm).

### 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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