

# ALT R210 Resin (Standard Grade)



## Product Data Sheet

### Description

**ALT R210 Resin** is a high performance two-component, rapid-curing, flexible, poly methacrylate-based (PMMA) resin.

### Product Use

**ALT R210 Resin** is mixed with ALT S223 Filler to create ALT RS233 Mortar, a trowel-able mortar used in approved ALT deck coating, surfacing and waterproofing systems. ALT R210 Resin may also be used separately for non-reinforced protective coating and surfacing applications.

### Colors

ALT R210 Resin is supplied in standard RAL No. 7032 light grey color. Other standard and non-standard colors are available on request.

### Packaging

ALT R210 Resin is supplied in 10-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

The product can be applied at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).

### Mixing & Catalyzing (ALT RS233 Mortar)

Note: For ALT RS233 Mortar applications, see appropriate product data sheet for mixing, catalyzing and application.

### Mixing & Catalyzing (ALT R210 Resin Only)

For ALT R210 resin application in concrete protection systems, 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.

#### ALT 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-mortar 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 R210 Resin (Standard Grade)**  
#114-732-005U 10.0 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. Mask perimeter and top edge of the area to be primed and coated 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 additional information and requirements. Contact ALT Global Technical Department for recommendations regarding specific applications.

### Application (RS233 Mortar Systems)

Note: For ALT RS233 Mortar applications, see appropriate product data sheet for mixing, catalyzing and application.

### Application (R210 Resin Systems)

For ALT R210 Resin concrete protection applications, tape out the area of work in a checkerboard fashion using duct tape or fiber reinforced masking tape. After mixing, apply ALT R210 Resin to clean, prepared and primed substrate at the required consumption using ALT approved rollers. The resin should be spread evenly onto the surface at a uniform depth. Smooth and even-out resin immediately by rolling with an ALT approved spiked roller. Before resin begins to cure, broadcast the appropriate aggregate and remove all masking tape. See individual system specifications for specific guidelines regarding application of additional topcoats.

### 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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