

ALT 885 Mortar



Product Data Sheet

Description

ALT 885 Mortar is a fast-curing, high-performance, highly-flexible 2-component PMMA based repair mortar for patching and repair of structural concrete substrates.

Product Use

ALT 885 Mortar is a fast-curing, high-performance, highly-flexible 2-component PMMA based repair mortar for patching and repair of structural concrete substrates for use in civil applications such as bridge & vehicular waterproofing systems.

Packaging

ALT 885 Mortar is supplied in 2 kg 885 resin & 24-kg 885 Filler/Catalyst in re-sealable drums with locking rings.

Coverage Rate (approximate) 0.22 kg/sf (2.4 kg/m²)

Gross yield/10-kg unit: 33.5 ft² (3.1 m²) @ 0.30 kg/ft²

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).

Note: The clean and fully cured resin can be coated after a minimum of 3-hours up to a maximum of 6-months. If the surface of the resin becomes dirty or contaminated or left exposed to the elements for more than 12-hours, thoroughly clean the in-place and cured primer with ALT Activator. ALT Activator should be allowed a minimum of 20-minutes evaporation time after application, and over-coated within 60-minutes of application.

Mixing & Catalyzing

Briefly shake the ALT 885 Resin component and add the entire contents to a separate container and add ALT 885 Filler component while using a slow-speed mechanical agitator and mix (approximately 3-minutes) until producing a smooth homogeneous mortar mixture. Important: Please note that catalyst is contained in filler component; therefore ALT Catalyst should not be added separately with ALT 885 Mortar unless recommended by ALT Global Technical Department.

Working Times (at 68°F (20°C))

- Pot Life: approx. 12-minutes
- Rainproof: approx. 30-minutes
- Next Coat: approx. 1.5-hours
- 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 Safety Data Sheet (SDS) prior to use or handling.

Disposal

Mixed and cured mortar 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 885 Mortar (grey)

- Item #: 113-732-005U 10-kg can

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 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 130 primer to substrate.. Refer to ALT "Substrate Preparation & Priming Guidelines" for specific recommendations and requirements. Contact ALT Technical Department for recommendations regarding specific applications.

Application

After mixing, pour mortar to a primed and clean substrate, then immediately compact with a smoothing trowel and smooth over. Important: Please make sure that the mortar is worked well into corners (compressed). Also, to avoid cracking in the mortar it is vital that the maximum layer thickness per applied coating does not exceed 1.5 inches or 40 mm. The mortar should spread evenly onto the surface. See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat 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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