

ALT RS233 Mortar Pedestrian Traffic Surfacing & Waterproofing Specification



Technical Data Sheet

PART 1 GENERAL	
System:	Heavy duty cold liquid-applied partially reinforced waterproofing and surfacing system for open pedestrian walkways, balconies and terraces with aesthetic topcoat, and all other ancillary work including but not limited to installation of drain, penetration, and perimeter flashings, sealants and metal work as specified.
Weather Restrictions:	Do not apply products during or with the threat of inclement weather. Application of cold liquid-applied system may proceed while air temperature is between 37° F (1.7° C) and 95° F (35° C) for ALT primer, RS233 Mortar and finish or 23° F (-5° C) and 95° F (35° C) for ALT R230 membrane flashing, providing the substrate is a minimum of 5 degrees above the dew point temperature, clean and dry.
Waterproofing Warranty:	Manufacturer's Warranty: Provide (10) year standard manufacturer's warranty under provisions of this section.
Surfacing Warranty:	Manufacturer's Warranty: Provide 1, 5, 10 or 12-year material warranty under provisions of this section based on the surfacing option selected.

PART 2 PRODUCTS	
Main Deck Waterproofing & Surfacing:	Cold liquid-applied self-leveling waterproof layer, aggregate surfacing, and colored abrasion resistant topcoat as selected by owner from manufacturer's standard palette of colors. Subject to compliance with requirements, provide ALT RS233 Mortar for use in a non-reinforced waterproofing and surfacing system.
Flashing:	Cold liquid-applied membrane with a non-woven reinforcing fabric, for a finished dry film membrane thickness of .080 inch nominal per ply; integral color finish as selected by owner from manufacturer's standard palette of colors; conforming to ASTM C 836. Subject to compliance with requirements, provide ALT R230 Thixo resin for use in an adhered flashing membrane system.
Accessories:	Provide resin primers, additives, surfacing topcoats, and accessory products as required or recommended by the Membrane Manufacturer.

PART 3 EXECUTION	
Preparation:	<p>All substrates must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer and/or resin to the substrate. All traffic bearing surfaces require scarifying, sandblasting or grinding to achieve a suitable substrate.</p> <p>Substrate shall have maximum moisture content of six (6) percent or 75% relative humidity, and be prepared as required to provide adhesion of the membrane to substrate with minimum bond strength of 219 psi (1.5 N/mm²) on concrete for traffic surfacing systems. Determinations of bond strength and moisture content shall be performed periodically by the Contractor throughout the course of work.</p>
Primer:	<p>Prime all substrates as recommended or required by Membrane Manufacturer. Primer is required on asphalt, concrete and wood. For other substrates, contact the Membrane Manufacturer for recommendations.</p> <p><u>Concrete:</u> Apply two component ALT Primer 276 with a lambswool roller. Minimum consumption: 0.037 kg/sf (0.4 kg/m²) Cure Time: Minimum of 45 minutes.</p> <p><i>*Note: Consumption and yield of primer will vary depending upon smoothness and absorbency of the substrate.</i></p>

Staging: (cont.)	over-coated within 60-minutes of application. Re-apply ALT Activator as required to assure proper reactivation of transition areas. Tie-ins: For all tie-in locations, provide a minimum overlap of 4 inches (10 cm), reinforcing fabric and resin.
Protection:	Upon completion of new work (including all associated work), institute appropriate procedures for surveillance and protection of finished work during remainder of construction period. Protect all areas where membrane has been installed.

DISCLAIMER

NO WARRANTY, EXPRESS OR IMPLIED, IS MADE IN THIS DOCUMENT. THE PRODUCT IS NOT CLAIMED TO BE MERCHANTABILITY OR FIT FOR ANY PARTICULAR PURPOSE. User and certified ALT Global applicators determine suitability only. See individual ALT Global product data sheets, MSDS sheets, guide specifications and details for complete information regarding the suitability, application and handling of ALT Global products.