

ALT Metal Primer 174S



Product Data Sheet

Description

ALT Metal Primer 174S is a high-performance solvent-borne polymer-based 1-component primer.

Product Use

ALT Metal Primer 174S is used as a coupling agent for various metal substrates in conjunction with ALT roofing, waterproofing and surfacing systems. ALT Metal Primer should be used in applications with higher mechanical stresses (e.g., trafficked areas), on detail work with small contact areas, metal drain bowls, or edge terminations metal.

Packaging

ALT Metal Primer 174S is supplied in 500 ml spray cans.

Coverage Rate (approximate)

Consumption: approx. 0.1 l/m²

Gross yield / 500 ml unit: +/-54 ft² (5.0 m²) - +/-63 ft² (5.85 m²) depending upon substrate conditions and consumption at application.

Storage

Always store in cool and dry location, protected from frost. 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, un-opened and with proper storage.

Application Conditions

The normal recommended temperature range for application of this product is (ambient and substrate) between 37°F (3°C) and 95°F (35°C).

Application over ALT Metal Primer should be done following the recommended minimum cure times indicated up to a maximum of 24-hours. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 24-hours, the primer must be ground off and re-applied.

Note: Galvanized and zinc rich metals are typically passivated or coated with oil requiring special preparation. The passivator must be completely removed by mechanical abrasion for ALT Metal Primer to obtain sufficient long-term bond. This can be confirmed by applying a coat of copper sulfate solution to the prepared galvanized metal surface. A properly prepared surface will turn black indicating the passivator

has been removed. If the surface does not turn black, additional abrasive cleaning will be required. In certain applications with zinc rich or stainless-steel metals, an acceptable pre-primer may be required prior to application of ALT Metal Primer. Consult ALT Technical Department for recommendations regarding specific applications.

Mixing Instructions

ALT Metal Primer 174S must be shaken before use.

Substrate Preparation

Mask perimeter and top edge of the area to be primed and flashed to provide clean lines and prevent over-painting of resins. Prepare metal surfaces to near white metal, abraded, and wipe clean with ALT Activator. Extend preparation a maximum of 1/8 inch (3 mm) beyond the termination of the membrane flashing.

Cure Times

- 86°F (30°C): at least 1-hour
- 68°F (20°C): at least 2-hours
- 50°F (10°C): at least 3-hours
- 37°F (3°C): at least 4-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

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 Metal Primer 174S

- Item #: **340-925-500U** 500 ml spray 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, foreign material such as 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 flashed to provide clean lines and prevent over-painting of resins. Apply ALT Metal Primer 174 S to substrate as recommended. Remove and re-apply masking before resin cures and as required between coats. Refer to ALT "Substrate Preparation & Priming Guidelines" for other specific recommendations and requirements. Contact ALT Technical Department for recommendations regarding specific applications.

Application

After mixing, apply resin to clean and prepared substrate at the required consumption using ALT approved rollers or brushes. The resin should be 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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