

# AlphaGuard™ M-Prime

*Primer for metal and plastic surfaces  
prior to application of urethane-based  
liquid products and sealants*

## DESCRIPTION

AlphaGuard M-Prime is a low-VOC, water-based, quick-drying, single component primer.

## BASIC USES

AlphaGuard M-Prime is designed as an adhesion promoter for urethane liquid products and sealants on nonporous surfaces such as metal and plastics.

## PACKAGING

1 gal (3.7L) can  
1 quart (0.9 L) can

## COLOR

Red

## GRADE

Brush, Clean Rag, Roller

## STORAGE

12 months shelf life in unopened containers when properly stored.

### DO NOT FREEZE

Recommended storage is indoors in a ventilated, dry area removed from heat, open flame, ignition sources and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

## APPLICATION

**Surface Preparation:** Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

**Installation:** Install product using one of the approved application methods evenly at the recommended coverage rate.

Urethane-based liquid products and sealants can be installed up to 8 hours after AlphaGuard M-Prime has been applied and cured. After 8 hours, the surface must be cleaned with MEK or Xylene and re-primed with AlphaGuard M-Prime.

AlphaGuard M-Prime can discolor surfaces to which it is applied. Mask off adjacent areas to prevent staining.

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## COVERAGE RATES

1,400 - 1,800 sq. ft. / gal (34 - 44 m<sup>2</sup>/ L)

*Note: Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.*

## TEMPERATURE/WEATHER RECOMMENDATIONS

**Min Ambient:** 50°F (10°C)

**Max Ambient:** 110°F (43°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.7°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product
- Do not apply when temperatures could fall below 32°F (0°C) within 24 hours of application.

## CURE TIMES

**Recoat Time:** 15 minutes @ 77°F (25°C) / 50% RH

*Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.*

## CLEAN UP

Clean equipment with ethyl alcohol. Any spills or over-coating must be cleaned immediately before product dries.

## LIMITATIONS

Not recommended for use over the following:

**Roof Decks:** Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

**Products/Systems:** Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion.

## PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density @ 77°F (25°C)	ASTM D1475-90	8.3 lb/gal (1 kg/L)
Asbestos Content	ASTM D276-87	None
VOC	ASTM D3960-89	20 g/L
Nonvolatile content	ASTM D2369-87	5%

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



Roofing & Building Maintenance

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