

Mer-Thane 300 Primer

Epoxy-Polyamine Primer

PRODUCT DESCRIPTION

Mer-Thane 300 Primer is a low odor, two-component, epoxy polyamine primer with unique penetrating characteristics. Designed for use over concrete, plywood and glass reinforced plastics, and to promote polyurethane intercoat adhesion.

CHARACTERISTICS

- Excellent adhesion
- Low odor
- Low viscosity
- Penetrates and seals concrete

CAUTIONS & LIMITATIONS

- The substrate surface must be structurally sound, clean, dry and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application.
- Do not install during damp weather or when rain is expected within 24 hours.
- Must be coated within 10 hours after becoming tack-free.
- Not UV stable.
- Must not be diluted for use.
- New concrete must be cured for 28 days
- Do no mix more material than can be used within 20 minutes.
- Open containers must be used as soon as possible.
- Primers cannot be used between coats of clear topcoat. The primer will discolor.
- Bonds securely upon cure; therefore, difficult to clean-up after full cure.
- Contains epoxy resin and curatives.

COLOR

300 Primer part A is blue, part B is yellow, when products are mixed the color is aqua green.

PACKAGING

15 gallon kits comprised of two 5-gallon (18.9 liter) pails of part A and one 5-gallon (18.9 liter) pail of part B.

MIXING

Mer-Thane 300 Primer components should be thoroughly mixed individually before combining. Use a mechanical mixer at slow speeds to combine (2) parts A and (1) part B until a homogeneous mixture and color is obtained. Use care when mixing to avoid air bubbles. Entrained air can result in pinholes, blisters and/or shortened pot life. Mer-Thane 300 Primer must always be mixed using a ratio of two parts A and one part B (2:1).

APPLICATION

Apply Mer-Thane 300 Primer to vertical perimeter flashing and all horizontal deck areas using a brush or phenolic core roller. When using a phenolic core roller, use extra care not to entrap air into the mixture. Apply evenly over the entire deck surface at a rate of 1 gallon/300 ft² (3.79 L/27.9 m²). Apply with continuous coverage to minimize lines and/or streaking. Coverage rate will vary depending on the porosity of the substrate.

TECHNICAL DATA

Coverage Rate	300 ft ² /gallon
Pot Life	20-30 minutes at 75°F (24°C) RH 50%
DFT per Coat	3 mils (ASTM C109)
Hardness	65-75 (ASTM D2240, Shore D)
Specific Gravity	Part A 1.09 Part B 1.07
Total Solids by Weight	91% (ASTM D2369)
Total Solids by Volume	90% (ASTM D2697)
Viscosity	550-650 cps Combined Parts A&B at 75°F (24°C) RH 50%
VOC	0.75 lbs/gallon (90 g/L) (ASTM D2369-81)
Density	Part A 9.08 lbs/gal Part B 8.91 lbs/gal

Allow Mer-Thane 300 Primer to become tack-free before applying the coating to ensure proper adhesion. Coatings must be applied within 10 hours of becoming tack free at 70°F (21°C) RH 50%. If more than 10 hours elapses between coats, the surface must be re-primed.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F above the dewpoint. Mer-Thane 300 Primer materials are very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and shorten the pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

FIRST AID

EYE CONTACT

Flush eye with water for at least 15 minutes. Get medical attention promptly.

INHALATION

Take person to fresh air. If breathing is difficult, administer oxygen. Get medical attention immediately.

SKIN CONTACT

Wipe off contacted area and wash thoroughly with soap and water. If redness, itching, or a burning sensation develops, seek medical attention immediately.

INGESTION

Do not induce vomiting. Consult physician immediately.

FIRE

Wear self-contained breathing apparatus with full face piece and protective clothing. Use foam, carbon dioxide, dry chemical and/or halogenated agents.

SPILL OR LEAK

Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent and shovel into a chemical waste container. Cover container, and remove from work area.

STORAGE & HANDLING

Store all Mer-Thane materials in a dry environment at temperatures between 40° to 95°F (4.4° to 35°C). All materials should be stored in compliance with local fire and safety requirements. Do not store at high temperatures or in direct sunlight. Do not allow uncured materials to freeze. Store materials in tightly closed original containers, off the ground, on plywood or non-asphaltic insulation

board. Avoid moisture contamination. Always wear proper safety equipment, including an approved respirator, eye protection and gloves when mixing and/or applying these products. Do not breathe vapors. Do not keep opened containers in confined spaces. Consult published OSHA (Occupational Safety and Health Administration) regulations for additional information and compliance information.

The material is flammable; the flammable products may be hazardous. Do not expose material to open flames, sparks, or other sources of ignition. Use proper grounding and bonding procedures during liquid transfer as described in National Fire Protection Assoc. document NFPA77.

SHELF LIFE

The shelf life is one (1) year from the date of manufacture in the original, unopened container when the material is properly stored.

WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or www.parexmer-ko.com.

WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Material Safety Data Sheet (MSDS). The most current MSDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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