

Mer-Thane 300SC Primer

Aromatic, Epoxy-Polyamine Primer

PRODUCT DESCRIPTION

Mer-Thane 300SC Primer is a two-component, epoxy polyamine primer designed with unique penetrating characteristics to ensure exceptional adhesion of urethane membranes. Designed for use over concrete, metal, plywood, glass reinforced plastics, and to promote polyurethane intercoat adhesion. This product meets the most stringent air quality standards in jurisdictions such as Southern California and the New England states.

CHARACTERISTICS

- Excellent adhesion
- Low viscosity
- Penetrates concrete
- For use in SCAQMD regions

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.
- Open containers must be used as soon as possible.
- Bonds securely upon cure; therefore, difficult to clean-up after full cure.
- Do no mix more material than can be used within 45 minutes.
- Primers cannot be used between coats of clear topcoat. The primer will discolor.
- Contains epoxy resin and curatives.

COLOR

300SC Primer part A is black and part B is white, when products are mixed the color is grey.

PACKAGING

300SC Primer is available in:

- 2 gallon kits comprised of one 1-gallon (3.8 L) can of Part A and one 1-gallon (3.8 L) can of Part B.
- 10 gallon kits comprised of one 5-gallon (18.9 L) pail of Part A and one 5-gallon (18.9 L) pail of Part B.

MIXING

Mer-Thane 300SC Primer components should be thoroughly mixed individually before combining. Use a mechanical mixer at slow speeds to combine parts A and 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 300SC Primer must always be mixed using a ratio of one part A and one part B (1:1).

APPLICATION

Apply Mer-Thane 300SC Primer to vertical perimeter flashing using a brush and all horizontal deck areas using a solvent resistant 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 per 300 ft² (3.8 L per 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 (Yield 3 mils)
Pot Life	60-90 minutes at 75°F (24°C) RH 50%
DFT per Coat	3 mils (ASTM C109)
Specific Gravity	Part A 1.30 Part B 1.89
Total Solids by Weight	88-92% (ASTM D2369)
Total Solids by Volume	82-86% (ASTM D2697)
Viscosity	1,000-1,400 cps Combined Parts A&B at 75°F (24°C)
VOC	0.83 lbs/gallon (100 g/L) (ASTM D2369-81) Excluding exempt solvent
Density	Part A 10.83 lbs/gal Part B 15.74 lbs/gal

Allow Mer-Thane 300SC 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 300SC 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 65 to 70°F (18 to 21°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.

Mer-Thane 300SC Primer, parts A & B, are considered dangerous goods. DOT regulations classify it as paint, Class 3, UN1263, PG III, Flammable Liquid. 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

Any recommendation or suggestion relating to the use of MER-KO products made via current technical literature, marketing materials, technical application guides, specifications, and the like, or in response to specific inquiry or otherwise, is based on data believed to be reliable. However, the products and information are intended for use by Buyers having requisite skill and know-how in the industry. Therefore, it is the responsibility of the Buyer to satisfy the necessary requirements of suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. Mer-Ko believes the information contained herein is true and accurate as of the date of publication. Information contained here is for evaluation only. Mer-Ko reserves the right to modify and/or change products or literature at any time and without prior notice.

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