

Mer-Thane 300G Topcoat Fast Cure

100% Solids, Polyaspartic, Aliphatic Polyurea Topcoat

PRODUCT DESCRIPTION

Mer-Thane 300G Topcoat Fast Cure is a rapid curing, 100% solids, two-component, liquid-applied, polyaspartic, aliphatic polyurea topcoat, designed for use over aromatic polyurea, polyurethane and epoxy applications. It is specifically designed for thin film applications and can be used over a wide variety of substrates. This product meets California AQMD requirements.

Common application areas include:

- Roof decks & balconies over occupied space
- Elevated walkways & platforms
- Off-shore oil platforms
- Pipeline barge decks
- Fertilizer & chemical processing
- Cold storage
- Food processing areas

CHARACTERISTICS

- Excellent weatherability
- Rapid cure
- High tensile strength
- Seamless
- Application temperatures from 40°F (4.4°C) to 120°F (48.9°C)
- Service temperatures from 0°F (-17.8°C) to 200°F (93.3°C)
- Color stable
- High gloss
- UV resistant with exceptional gloss retention
- Very durable, abrasion & impact resistant
- For use in AQMD 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 inclement weather, when precipitation is occurring or expected within 24 hours.
- Application in direct sunlight during high temperatures may adversely affect aesthetics.
- Not suitable for applications where chained or studded tires may be used.
- Not suitable for below-grade, split slab, or slab-on-grade without on-grade vapor barrier.
- Not for use on sandwich slabs without a vapor barrier or with insulation, slabs over unvented metal pans, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces or asphalt overlays.
- Containers that have been opened should be used within 48 hours. A polyethylene sheet must be used as a protective blanketing prior to re-sealing the lid on a partially used container. Keep the lid tightly sealed when the material is not in use.
- Before using Mer-Thane products, read all container labels, MSDS, application instructions and storage and handling information carefully. Applicators should wear an approved respirator, protective glasses, clothing and gloves. Contains isocyanates, avoid contact of material with skin or eyes and avoid breathing vapors. Mix and apply materials in well ventilated areas and observe normal safety precautions. Mer-Thane materials are classified as corrosive material and can cause irritation in prolonged exposure. Wash skin thoroughly with soap and water if product(s) contact skin. Consult the Material Safety Data Sheet for additional information and precautions.
- Protect all finished surfaces that are not intended to receive the deck coating system materials.

TECHNICAL DATA — Clear

Coverage Rate	5 gallons/500 ft ² Yield 16 mils
Pot Life	20-30 minutes at 75°F (24°C) RH 50%
DFT per Coat, Excluding Aggregate	16 mils (ASTM C109)
Hardness	63-67 (ASTM D2240, Shore A)
Tear Resistance	350-450 pli (ASTM D624, Die C)
Tensile Strength	2,800-3,200 psi (ASTM D412)
Elongation	60-80%
Specific Gravity	Part A 1.10 Part B 1.05
Total Solids by Weight	100% (ASTM D2369)
Total Solids by Volume	100% (ASTM D2697)
Viscosity	Part A 2600 + 300 cps at 75°F (24°C) Part B 800 + 300 cps
VOC	0 lbs/gallon (0 g/L) (ASTM D2369-81)

TECHNICAL DATA — Pigmented

Coverage Rate	5 gallons/500 ft ² Yield 16 mils
Pot Life	20-30 minutes at 75°F (24°C) RH 50%
DFT per Coat, Excluding Aggregate	16 mils
Hardness	63-67 (ASTM D2240, Shore A)
Tear Resistance	325-425 pli (ASTM D624, Die C)
Tensile Strength	2,400-2,800 psi (ASTM D412)
Elongation	20-40%
Specific Gravity	Part A 1.1 Part B 1.24
Total Solids by Weight	100% (ASTM D2369)
Total Solids by Volume	100% (ASTM D2697)
Viscosity	Part A 2600 + 300 cps at 75°F (24°C) Part B 2000 + 300 cps
VOC	0 lbs/gallon (0 g/L) (ASTM D2369-81)

- Use extra caution in protecting surfaces not to be coated when using spray application methods. Windy conditions or overspray can damage surrounding surfaces.
- Clear coating, may turn opaque and cloudy if high moisture conditions exist, especially in exterior applications.
- Primers cannot be used between coats of Mer-Thane 300G Clear Topcoat Fast Cure. The primer will discolor.

PACKAGING

Mer-Thane 300G Topcoat Fast Cure is available in 10 gallon kits containing two 5 gallon (18.9 liter) pails, one 5 gallon pail of Part A and one 5-gallon pail of part B.

COLOR

Mer-Thane 300G Topcoat Fast Cure is available in 2 standard colors, Sidewalk Grey, Monterey Sand, and Clear.

INSTALLATION CONDITIONS

The Mer-Thane 300G Topcoat Fast Cure should be installed when the surface and ambient temperatures are above 40°F (4.4°C) and below 120°F (48.9°C). Temperature should be at least 5°F above the dewpoint. Do not install during inclement weather, when precipitation is occurring or expected within 24 hours. Mer-Thane 300G Topcoat Fast Cure material is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity will extend the cure time.

SUBSTRATE PREPARATION

The substrate surface must be clean, dry and free of dust and any other contaminants at the time of material application. A minimum finished deck slope of 2% (1/4 unit vertical in 12 units horizontal) is required for proper drainage. Surface imperfections, if left untreated, will be noticeable in the finished application.

Primer - Horizontal Surface

When necessary apply Mer-Thane 300SC or 300 to the properly prepared surface using a brush or phenolic resin core roller at 1 gallon/300 ft² (3.8 L/27.9 m²). Primer must dry tack free before applying the 300G Topcoat.

MIXING

Mer-Thane 300G Topcoat Fast Cure, parts A & B should be thoroughly mixed individually prior to combining to ensure homogeneous material and color. While mechanically mixing the topcoat parts A & B (1:1) using a mechanical mixer at slow speed, thoroughly blend the combined components until a uniform color is obtained. Use care when mixing to avoid air bubbles. Do not mix more than you can apply at one time. Expected pot life of mixed components is 20-30 minutes.

APPLICATION

Apply Mer-Thane 300G Topcoat Fast Cure to the properly prepared perimeter flashing and horizontal deck areas using a 1/2" to 3/4" nap solvent resistant, phenolic core roller. Apply evenly over the entire deck surface at a rate of 1 gallon per 100 ft² (3.79 L per 9.3 m²) (16 mils wet film). Apply with continuous coverage to minimize lines and/or streaking, use extra care not to entrain air into the material. Allow Mer-Thane 300G Topcoat Fast Cure to cure a minimum of 4 hours and a maximum of 48 hours at 70°F (21°C) RH 50% before proceeding with any additional coats to ensure proper adhesion. If more than 48 hours elapses between coats, the surface must be primed.

Sloped or pitched surfaces may require additional applications to achieve the desired thickness. When using a notched squeegee, back rolling may be required to achieve the desired finish.

Mer-Thane 300G Topcoat Fast Cure will be tack free and dry to touch within 6 hours at 70°F (21°C) RH 50%. Light traffic service can be introduced 6 hours (minimum) after application. Return to full service after 48 hours.

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.

The material is combustible; the combustion products may be hazardous. Do not expose this 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 Association document NFPA77. Consult published OSHA (Occupational Safety and Health Administration) regulations for additional information and compliance information.

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.

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.

Corporate Office

Parex USA, Inc.
4125 E. La Palma Ave., Suite 250
Anaheim, CA 92807
(866) 516-0061
Tech Support: (800) 226-2424

