

# Mer-Thane Catalyst CC & 310SF Catalyst

## Single-Component Liquid Catalyst

### PRODUCT DESCRIPTION

Mer-Thane Catalyst CC & 310SF Catalyst are single-component, proprietary liquid catalysts designed to accelerate the cure of Mer-Ko's aromatic urethane polyurea coatings. Catalyst CC is used to aid in the low temperature curing of Mer-Thane 300SF Waterproofing Membrane. 310SF Catalyst is used to aid in the curing of Mer-Thane 310SF Waterproofing Membrane.

### CHARACTERISTICS

- Easy to use
- Accelerates cure time
- Facilitates application in cold weather 40 to 50°F (4.4 to 10°C)

### CAUTIONS & LIMITATIONS

- Performance characteristics of urethane membrane materials will be adversely affected.
- Use of excessive amounts of Catalyst CC may result in foaming.
- Do Not dilute.
- Open containers must be used as soon as possible. Do not save and store for re-use.
- Do no mix more material than can be used within 4 hours.
- Contains curatives.

### COLOR

Mer-Thane Catalyst is red.

### PACKAGING

- Mer-Thane Catalyst CC is available in:
  - 1 oz vials (20 grams)
  - 1 quart cans (0.95 liters)
- Mer-Thane 310SF Catalyst is provided in:
  - 8oz. (1/2 Pint) (236.6 ml) cans.

### MIXING

- 300SF Catalyst CC Mixing Ratios:
  - 1.0 to 3.0 oz. / 5 gallons (88.7 ml/18.9 L)
- 310SF Catalyst Mixing Ratios:
  - 8.0 oz.(1/2 pint) / 5 gallons (236.6 ml/18.9 L)

The amount of catalyst to be added is determined based on job site conditions. DO NOT EXCEED MAXIMUM MIX RATIOS.

Mer-Thane Catalyst should be thoroughly mixed into the membrane material using a mechanical mixer at slow speeds, until a homogeneous mixture and color is obtained. Use care when mixing to avoid air bubbles. DO NOT entrap air into the mixture. This can result in pinholes, blisters and/or shortened pot life.

Pot life of blended materials is 4 to 6 hours. Pot life will vary based on atmospheric conditions and amount of catalyst added.

### ACCELERATED CURING

The following products can be used in conjunction with Mer-Thane Catalyst's to accelerate cure:

- Accelerator T can be used in conjunction with Mer-Thane 310SF Waterproofing Membrane.
- Accelerator M can be used in conjunction with Mer-Thane 300SF Waterproofing Membrane.

### TECHNICAL DATA

<b>Coverage Rate</b> .....	Based on usage
<b>Pot Life</b> .....	4-6 hours at 75°F (24°C) RH 50%
<b>Specific Gravity</b> .....	1.008
<b>Total Solids by Weight</b> .....	100%
(ASTM D2369)	
<b>Total Solids by Volume</b> .....	100%
(ASTM D2697)	
<b>Viscosity</b> .....	50-150 cps at 75°F (24°C)
<b>VOC</b> .....	0 lbs/gallon (0 g/L)
(ASTM D2369-81)	
<b>Maximum Mix Ratios Catalyst CC</b> .....	3.0 oz./5 gallons (88.7 ml/18.9 liters)
<b>Maximum Mix Ratios 310SF Catalyst</b> .....	8.0 oz./5 gallons (236.6 ml/18.9 liters)

Under optimal conditions, membrane materials can be returned to light service after 24 hours; return to regular service after 72 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 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.

Equipment should be cleaned using environmentally safe solvents, as permitted under local regulations, immediately after use.

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](http://www.parexmer-ko.com)

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