

Product ID: Rapi-Liner® 186 – Novolac Epoxy DTM

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Product Description & Suggested Uses:

RCT 186 Liner is a two component Novolac Epoxy designed for Direct to Metal applications where excellent corrosion, heat and chemical resistance are required. It is especially suitable for Liner applications for Molten Sulfur service in Tank Cars.

Mixing and Thinning/Reducing Instructions:

Mix by volume, 4 parts RCT 186 Liner with 1 part RCT 186 Hardener. Agitate each component thoroughly before combining and then agitate mixture. No reduction is necessary. If reducing or thinning is required, please contact your Rapid Cure Technologies (RCT) technical service representative for instructions.

Directions for Use :

Surface must be clean, dry, sound and free of dirt, dust, grease, oils, residues, waxes, water, foreign particles, and any other contaminants that may interfere with coating adhesion and intimate contact with substrate. Prepare the substrate by abrasive blasting to a profile of 2.0-4.0 mils per NACE SSPC - SP10. Metal surface must be 5 degrees above the dew point temperature. Metal and material temperatures above 60°F.

RCT 186 Liner is designed to be applied with airless spray @ 3000-4000 psi and 0.019-0.030 tips. Pot life is 1 hour @ 75 degrees and significantly reduced at elevated temperatures.

Clean-up:

Clean all equipment immediately after use with MEK or other RCT approved solvents. Use clean solvent only. In case of spill, absorb and dispose of in accordance with local, State, and/or Federal regulations.

Storage & Shelf Life:

Store indoors in original, tightly sealed container out of direct sunlight between 40°F (5°C) and 100°F (38°C), 0% to 90% relative humidity. Warranted shelf life is 6 months from date of manufacture (DOM) in original unopened and properly stored container.

Typical Mixed Properties:

Color	Salmon, Lt. Blue & White
Type	Novolac Epoxy
Viscosity (25°C)	95-105 (KU's)
Specific Gravity (25°C)	1.20-1.30
Density (25°C)	10.0-10.8 lbs/gal
% Solids (by Volume)	80-85%
VOC	1.2-1.3 lbs/gal
Flash Point	50°F
Gloss	Semi
Recommended DFT	8-12 mils (200-300 um) per coat
Maximum DFT	24 mils (450 um)
Coverage	1325 ft ² @ 1.0 mil
Air Dry (initial)	Circulate warm air @ 80-90°F for 12 hours. Holiday test and repair As necessary before force cure
Force Cure (Final)	Ramp rate 1°/min, 150°F soak temp for 6 hrs or 200°F for 2 hrs See AGS for details
Dry Heat Resistance	Conforms to NACE SPO-302-2007 7.3.1 – 350°F
Thermal Shock Resistance	Conforms to NACE SPO-302-2007 7.3.6 – -40°F to 325°F
Chemical Resistance	Cyclical Molten Sulfur -Conforms to NACE SPO-302-2007 7.3.3 60 cycles @ 325°F

Packaging:

RCT 186 Liner is available in one 1-gallon cans, five 5-gallon pails and 55-gallon steel drums. For additional packaging options, please contact your local Rapid Cure Technologies representative.

Safety Information:

Avoid contact with skin and use good ventilation. Wear chemically resistant gloves (nitrile are recommended) and chemical safety glasses. If skin contact is made, wash immediately with soap and water. Do not use solvents to clean skin. Refer to Safety Data Sheet for further safety and handling information.

FOR PROFESSIONAL USE ONLY
NOT FOR RESIDENTIAL USE
KEEP OUT OF REACH OF CHILDREN