



# L&A COATINGS

*"Passionate about Paint"*

# TECHNICAL DATA SHEET

## Product:

Rapi-Liner® 186 – Novolac Epoxy DTM Coating

### Product Description & Suggested Uses:

RAPI-LINER® 186 Liner is a two-component (2K), Novolac Epoxy liner designed for direct-to-metal (DTM) applications where excellent corrosion, heat, and chemical resistance are required. RAPI-LINER® 186 is especially suitable for tank car liner applications for molten Sulfur.

### Mixing and Thinning/Reducing Instructions:

Prepare RAPI-LINER® 186 Liner by mixing RAPI-LINER® 186 Resin (Part A) 1:1 by volume with RCT 01 1404 AM Hardener (Part B). Agitate each component thoroughly before combining and then agitate mixture. No reduction is necessary. If reducing or thinning is required, contact your Love & Associates (L&A) 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.

RAPI-LINER® 186 Liner is designed to be applied with airless spray @ 3000-4000 psi and 0.019-0.030 tips. Pot life is 1 hours @ 75°F and significantly reduced at elevated temperatures.

### Clean-up:

Clean all equipment immediately after use with MEK or other L&A 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 12 months from date of manufacture (DOM) in original unopened and properly stored container.

Appearance	Light Blue, Salmon, or 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
VOC (less water/exempt)	0.1-0.12 lbs/gal
Flash Point	10°C (50°F)
Gloss	Semi
Recommended DFT	8-12 mils (200-300 um)
Maximum DFT	24 mils (600 um)
Coverage	1325 ft <sup>2</sup> @ 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:

RAPI-LINER® 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 L&A 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

### Typical Mixed Properties:

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