

Product ID: RCT 100G Liner - Glass Reinforced Novolac Modified Epoxy DTM

Product Description & Suggested Uses:

RCT 100G Liner is a two component glass filled Novolac Epoxy designed for Direct to Metal applications where excellent corrosion, chemical and abrasion resistance are required. It is especially suitable for Liner applications with excellent resistance to Hydrocarbons, Alcohols and Petroleum products.

Mixing and Thinning/Reducing Instructions:

Mix RCT 100G Liner 1:1 by volume with RCT 01 1140 AM 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.

RCT 100G Liner is designed to be applied with airless spray @ 3000-4000 psi and 0.017-0.030 tips. Pot life is 2 hours @ 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 12 months from date of manufacture (DOM) in original unopened and properly stored container.

Technical Data Sheet

Document Date: 28 May 2018

Typical Mixed Properties:

Color	Green, Black, Beige, White & Gray
Туре	Novolac Epoxy
Viscosity (25°C)	90-95 (KU's)
Specific Gravity (25°C)	1.40-1.45
Density (25°C)	12.0-12.5 lbs/gal
% Solids (by Volume)	80-85%
% Solids (by Weight)	90-95%
VOC	0.1-0.2 lbs/gal
VOC (less water/exempt)	0.6-0.8 lbs/gal
Flash Point	-17°C (0°F)
Gloss	Semi
Recommended DFT	8-12 mils (200-300 um)
Maximum DFT	18 mils (450 um)
Coverage	1325 ft ² @ 1.0 mil
Dry @ 75 degrees F	3-4 hrs touch
	6-7 hrs handle
	72 hrs in service as a Liner
Recoat	Within 72 hrs

Packaging:

RCT 100G 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**

RCT 08 1003 EP

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Physical Performance Properties:

Test	Test	Result	
	Method		
Adhesion	ASTM	5A	
	D3359		
Pencil	ASTM	4H-5H	
Hardness	D3363		
Abrasion	ASTM	5000 cycles, 150 mg loss	
resistance	D4060		
Bend –	ASTM	Passes 1.5 inch radius bend	
Flexibility	D522		
Impact	ASTM	50 in/# Direct	
	D2794		
Salt Fog	ASTM	3000 hours	
	B117		
Humidity	ASTM	3000 hours	
	4585		
Heat	NACE	Dry Continuous – 400F	
Resistance	SPO302	Dry Intermittent – 500F	
		Immersed Continuous- 140F	
		Immersed Intermittent – 200F	
Thermal	NACE	10 cycles of 24 hours @ 325F	
Shock	SPO302	followed by 24 hours @ -40F	
Resistance			
w/ Crude		No adhesion loss, cracking or	
Oil		flaking	

Chemical Immersion Resistance: 12 months @ 140F

5% Salt Solution	Excellent
Ethanol & Methanol	Excellent
Ethylene & Propylene	Excellent
Glycol	
Mineral Spirits & Naptha	Excellent
Gasoline, Diesel & Kerosene	Excellent
Crude, Mineral & Motor Oil	Excellent
Turpentine	Excellent
Hydrochloric Acid Sol'n	Good
(Acidic)	
Sodium Hydroxide Sol'n	Good
(Caustic)	
Hydrosulfuric Acid Sol'n	Excellent
Ammonia	Excellent

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