

Product ID: RCT 02 1033 EP – HS LTC Black One Coat
Marine Epoxy

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Product Description & Suggested Uses:

RCT 02 1033 EP is a two component, phenalkamine epoxy designed for applications where excellent corrosion, moisture and water barrier properties are required. RCT 02 1033 EP is high solids, high build and will cure at temperatures as low as 10°F in the presence of moisture. This product is especially suitable for marine and water submerged applications. Typical uses include: barges, drilling rigs, non potable tank interiors, heavy duty structural & pipe.

Mixing and Thinning/Reducing Instructions:

Mix 3 parts RCT 02 1033 EP by volume with 1 part RCT 01 1218 AM Hardener. Agitate each component thoroughly before combining. 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. Steel surface preparation should meet SSPC-SP6/NACE 3. Metal surface must be 5 degrees above the dew point temperature.

RCT 02 1033 EP is designed to be applied by spray, brush, roll or squeegee. Airless spray @ 3500-4500 psi with 0.019-0.027 tips is recommended. If reduction is required, 5-10% Acetone or MEK may be used after both components are mixed together. Pot life is 6 hours @ 75 degrees and significantly reduced at elevated temperatures. Pot life is extended with reduction.

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.

Typical Mixed Properties:

Color	Black, Gray, White & Red
Type	Epoxy/Amine
Viscosity (25°C)	105-115 KU's
Specific Gravity (25°C)	1.15-1.25
Density (25°C)	9.58-10.4 lbs/gal
% Solids (by Volume)	80-84%
% Solids (by Weight)	86-88%
VOC	1.20 lbs/gal
VOC (less water/exempt)	1.20 lbs/gal
Hazardous Air Pollutants	< 0.01 lbs/gal
Flash Point	16°F
Gloss	80°
Recommended DFT	10-20 mils (250-500 um)
Maximum DFT	30 mils (750 um)
Coverage	1323 ft ² @ 1.0 mil
Dry @ 75 degrees F	1-2 hrs touch 3-4 hrs handle 8 hrs hard
Pot life @ 75°F	6 hrs
Service Temperature	-40°F to 350°F
Pencil Hardness	F – ASTM D3363
Impact Resistance	60 in lbs Direct – ASTM D2794
Adhesion – Pull Off	1500 psi – ASTM D4541
Wet Adhesion – Pull Off	TBD – ASTM D4541
Abrasion – Taber	65 mg loss – ASTM D4060 1000cycles/1000gm/CS17

Packaging:

RCT 02 1033 EP 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