

Technical Data Sheet

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<u>Product ID:</u> RCT 02 1033 EP – HS LTC Black One Coat Marine Epoxy

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% 1.20 lbs/gal VOC 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) 1323 ft² @ 1.0 mil Coverage 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** 65 mg loss - ASTM D4060 Abrasion – Taber

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.

1000cycles/1000gm/CS17

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

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