



Product Data Sheet

Coatings, Sealants & Adhesives

RitePoxi CTF100 HS LTC

Coal Tar Free Epoxy

General Description

RitePoxi CTF100 is a two component, filled epoxy designed for applications where excellent corrosion, moisture and water barrier resistance properties are required. CTF100 is high solids, high build and will cure at very low temperatures and in the presence of moisture. This product is especially suitable for a conventional coal tar epoxy replacement and conforms to SSPC #16 section 5.9-5.15, physical property requirements for coal tar epoxies.

Typical uses include: penstocks, drilling rigs, power transmission poles, dam gates, heavy duty structural, pipe, tank & marine applications.

Mixing and Thinning Instructions:

Mix 3 parts CTF100 by volume with 1 part RitePoxi RP100B Hardener. Agitate each component thoroughly before combining. If reducing or thinning is required, please contact your Ritek's 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. surface preparation should meet SSPC-SP6 / NACE 3.

Commercial Blast Cleaning. Metal surface must be 5 degrees above the dew point temperature.

RitePoxi CTF100 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 up all equipment immediately after use with Methyl Ethyl Ketone (MEK), acetone, or other Ritek's approved solvents. Use clean solvent only. In case of spill, absorb and dispose of in accordance with local, State, and/ or Federal regulations.

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

Typical Mixed Properties

Color	Black, Red & Gray
Type	Epoxy/Amine
Viscosity (25°C)	100-110 KU's
Specific Gravity (25°C)	1.15-1.25
Density (25°C)	9.58-10.4 lbs/gal
% Solids (by Volume)	82-83%
% Solids (by Weight)	87-88%
VOC	.01 lbs/gal
VOC (less water/exempt)	.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
Mix Ratio	3:1
Haz. Air Polutants HAPS	<0.006 lbs/gal
Wet Heat Resistance	130°F
Pencil Hardness	3h-4h - ASTM D3363
Impact Resistance	60 in lbs Direct-ASTM D2794
Adhesion Pull Off	1560psi ASTM D4541
Abrasion Taber	61mg loss ASTMD4060 1000cyc/1000gm/CS17

Typical properties given do not constitute a supply specification.

Packaging/Storage

CTF100 is available in 1-gallon kits, 4-gallon kits and 55-gallon steel drums.

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 1 year from date of manufacture (DOM) in original unopened and properly stored container.

Safety, Health and Environmental Info:

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

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.

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V: 2021.2c