

RitePoxi RP Series

One Coat Marine Epoxy

General Description

RitePoxi RP One Coat Marine Epoxy is a two component, phenalkamine epoxy designed for applications where excellent corrosion, moisture and water barrier properties are required. RP One Coat Marine Epoxy 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 Instructions:

Mix 3 parts RP One Coat Marine PartA by volume with 1 part RP100B Hardener. Agitate each component thoroughly before combining. If reducing or thinning is required, please contact your Ritek 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 commercial blast cleaning. Metal surface must be 5 degrees above the dew point temperature. RP One Coat Marine is designed to be applied by spray, brush, roll or squeegee.

Airless spray at 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 at 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 Ritek approved solvents. Use clean solvent only. In case of spill, absorb and dispose of in accordance with local, State, and/or Federal regulations.

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
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
HAPS:	<0.01 lbs/gal
Pencil Hardness:	F - ASTM D3363
Impact Resistance:	60 in lbs - ASTM D2794
Adhesion - Pull Off:	1500 psi - ASTM D4541
Wet Adhesion - Pull Off:	TBD - ASTM D4541
Abrasion - Taber:	65mg loss - ASTM D4060 1000cycles/1000gm/CS17

Typical properties given do not constitute a supply specification.

Packaging/Storage

RP One Coat Marine is available in 1-gallon kits, 4-gallon kits and 55-gallon steel drums. For additional packaging options, please contact your local Ritek representative.

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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NOT FOR RESIDENTIAL USE
KEEP OUT OF REACH OF CHILDREN

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