



Product Data Sheet

Coatings, Sealants & Adhesives

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'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. 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'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, 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:	.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
HAPS:	<0.006 lbs/gal
Pencil Hardness:	3h-4h - ASTM D3363
Impact Resistance:	60 in lbs - ASTM D2794
Adhesion - Pull Off: Wet	1500 psi - ASTM D4541
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's 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.

We warrant our products to be of good quality and will replace or, at our discretion, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, RITEKS MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. Ritek's shall have no other liability with respect thereto. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection there with. The information provided herein is based on technical data that Ritek's, Inc. believes to be reliable. Ritek's, Inc. makes no representation or warranty as to the completeness or accuracy thereof and assumes no liability resulting from its use for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgment as to the appropriateness of its use and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.



11917 Cutten Road Houston, TX 77066
Ph: [281] 569-3500 • Fax: [281] 569-3508
www.riteks.com