

### RiteZinc RZ 1k Series

#### Zinc Rich Epoxy Primer

##### General Description

RiteZinc RZ 1k Series is a one component Zinc Rich Epoxy designed for Direct to Metal applications where superior corrosion resistance is required.

There is 85% zinc in the dried film to cathodically (galvanic) protect ferrous metals such as steel and iron. With the appropriate topcoat RiteZinc RZ 2k Series is suitable for severe environments including offshore, underground, caustic and immersion service.

##### Mixing and Thinning Instructions:

RiteZinc RZ 1k Series is a single component material and requires no hardener. Agitate thoroughly by shaker or mixer before application. If material will not be used within 10 minutes, re-agitate or use continuous mixing during application to ensure a uniform consistency of zinc in the film. No reduction is necessary. 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. For maximum protection, prepare the substrate by abrasive blasting to a profile of 2.0-4.0 mils per NACE SSPC -SP10. Metal surface must be 5 degrees above the dew point temperature.

RiteZinc RZ 1k Series can be applied with airless spray @ 2500-3500 psi and 0.017-0.025 tips, HVLP or Conventional.

##### 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.

##### Typical Mixed Properties

Color:	Gray
Type:	Epoxy/Ester
Viscosity (25°C):	85- 90 KU's
Specific Gravity (25°C):	2.4-2.46
Density (25°C):	20.0-20.5 lbs/gal
% Solids (by Volume):	45-50%
%Solids (by Weight):	80-85%
VOC:	3.2-3.5 lbs/gal
VOC (less water/exempt):	3.2-3.5 lbs/gal
Flash Point:	79°F
Gloss:	Low°
Recommended DFT:	3- 5 mils (75-125 um)
Maximum DFT:	8 mils (200 um)
Coverage:	800 ft <sup>2</sup> @ 1.0 mil
Dry @ 75 degrees F:	15 min touch 2 hrs handle 8 hrs hard
Re-coat	30 min
Salt Fog(ASTM B117)	1500-2000 hrs w/o topcoat; >3000-4000 hrs w/topcoat

*Typical properties given do not constitute a supply specification.*

##### Packaging/Storage

RiteZinc RZ 1k Series is available in 1-gallon cans and 5-gallon pails. 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.

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

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](http://www.riteks.com)