

**Product ID:** RCT 20 1012 AD – Liquid Galvanize 1K  
Bright Zinc Rich Epoxy Primer

**Document Date:** 27 Sept 2019

**Product Description & Suggested Uses:**

RCT 20 1012 AD is a one component zinc filled bright aluminum epoxy designed for Direct to Metal applications where superior corrosion resistance is required. There is 60% zinc in the dried film to protect ferrous metals such as steel and iron and can be used as a galvanize repair or replacement. With the appropriate topcoat, RCT 20 1012 AD is suitable for severe environments including offshore, underground, caustic and immersion service.

**Mixing and Thinning/Reducing Instructions:**

RCT 20 1012 AD is a single component material and requires no hardener. Agitate thoroughly by shaker or mixer before application. If material will not be used within 20 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 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. 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.

RCT 20 1012 AD 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 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 Physical Properties:**

Appearance	Bright Aluminum
Type	Epoxy Ester
Viscosity (25°C)	85-90 (KU's)
Specific Gravity (25°C)	2.10-2.22
Density (25°C)	17.5-18.5 lbs/gal
% Solids (by Volume)	40-45%
% Solids (by Weight)	70-75%
VOC	3.5-3.7 lbs/gal
VOC (less water/exempt)	3.5-3.7 lbs/gal
Flash Point	79°F
Gloss	Low
Recommended DFT	3-5 mils (75-125 um)
Maximum DFT	8 mils (200 um)
Coverage	720 ft <sup>2</sup> @ 1.0 mil
Dry @ 75 degrees F	15 minutes
	2 hrs handle
	8 hrs hard
	Recoat – 30 minutes
Salt Fog ( ASTM B117)	1000-1500 hrs w/o topcoat
	2500-3000 hrs w/ topcoat

**Packaging:**

RCT 20 1012 AD is available in one 1-gallon cans or partial 5-gallon pails. For additional packaging options, please contact your local Rapid Cure Technologies representative.

**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