

**Product ID:** RCT 05 1017 AD – Fast Dry Low Emissions  
Red Oxide Primer

**Document Date:** 12 Mar 2019

**Product Description & Suggested Uses:**

RCT 05 1017 AD is a high solids, fast dry, low emissions modified alkyd primer for industrial interior or exterior direct-to-metal applications requiring good weathering and corrosion. Sufficient film-build can be achieved with a single-coat application. RCT 05 1017 AD can be top-coated with solvent or water based alkyds, acrylics, urethanes or epoxies. Typical uses include; pipe/tube, pumps, flanges, structural steel, rail, trailers, storage tanks, and industrial maintenance applications.

**Mixing and Thinning/Reducing Instructions:**

Mix well with mechanical mixer or shaker. No reduction is necessary. If reducing/thinning is required, please contact your Rapid Cure Technologies 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. Prepare the substrate by abrasive blasting, high pressure water/steam cleaning, chemical cleaning and/or other approved method to achieve clean and sound surface, including priming.

RCT 05 1017 AD is designed to be spray applied using conventional, air assisted or airless spray with 0.010"-0.017" tips. During application, the substrate temperature must be 5 degrees above the dew point. Condensation due to substrate temperatures below the dew point can result in flash rusting on prepared steel and negatively impact adhesion to the substrate.

**Clean-up:**

Clean all equipment immediately after use with methyl ethyl ketone (MEK), acetone, 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 1 year from date of manufacture (DOM) in original unopened and properly stored container.

**Typical Mixed Physical Properties:**

Color	Red Oxide, Gray, Black & White
Type	Air Dry Modified Alkyd
Viscosity (77°F)	15-20 sec (#3 Zahn)
Dry Time (77°F)	Touch – 15 minutes Handle – 45 minutes Hard – 4 hours Topcoat – 30 minutes
Weight/Gallon	13.0-13.5 lbs/gal
% Solids (by Volume)	55-58%
% Solids (by Weight)	70-72%
VOC as Supplied	2.3-2.5 lbs/gal
VOC excluding exempt	2.7-2.8 lbs/gal
Flash Point	5°F
Pot Life	N/A
Gloss	Low
Recommended DFT	2.0-4.0 mils (50-100 um) per coat
Maximum DFT	8 mils (200 um) per coat
Coverage	906 ft <sup>2</sup> @ 1.0 mils
Sag Resistance	8+ mils (300 um)
Mix Ratio	N/A

**Packaging:**

RCT 05 1017 AD is available in 1-gallon, 5-gallon and 55-gallon steel drums. 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 Material Safety Data Sheet for further safety and handling information.

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



**SIGNAL WORD:** WARNING