

Product ID: RCT DTMU - High Solids Direct-to-Metal 1.8 VOC 2K Urethane

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Product Description & Suggested Uses:

RCT DTMU is a high build isocyanate cured acrylic urethane for industrial exterior direct to metal applications requiring excellent weathering, corrosion and chemical resistance. Sufficient film build can be achieved with a single coat application. Typical uses include; railcar exteriors, water towers, storage tanks, and structural steel.

Mixing and Thinning/Reducing Instructions:

Mix four (4) parts RCT DTMU part A (colored/tinted) with one (1) part RCT 01 1154 IC catalyst. 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. 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 DTMU is designed to be applied by airless spray with 0.013-0.017” tips at 3000-5000 psi. 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	Various-RCT 02 1026 AD (black)
Type	Isocyanate cured Acrylic Urethane
Viscosity (77°F)	25-35 sec (#3 Zahn)
Dry Time (77°F)	2 hrs Touch, 6 hrs handle,
Weight/Gallon	9.1-11.6 lbs/gal
% Solids (by Volume)	64-68%
% Solids (by Weight)	74-80%
VOC	1.7-1.9 lbs/gal
Recoat	Minimum 8 hrs, Maximum 5 days
Flash Point	5°F
Pot Life	3 hours at 25°C (77°F)
Gloss	95 degrees
Recommended DFT	4-6 mils (100-150 um) per coat
Maximum DFT	10 mils (250 um) per coat
Coverage	1000-1100 ft ² @ 1.0 mils
Sag Resistance	12+ mils (300 um)
Mix Ratio	4:1 by volume w/ RCT 01 1154 IC

Packaging:

RCT DTMU is available in one 1-gallon kits, five 5-gallon kits 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