Product Data Sheet

Coatings, Sealants & Adhesives

RiteThane RT DTMU

2K Urethane

General Description

RT 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, watertowers, storage tanks, and structural steel.

Mixing and Thinning Instructions:

Mix four (4) parts RT DTMU part A (colored/tinted) with one (1) part RT IC catalyst. No reduction is necessary. If reducing or thinning is required, please contact your Riteks 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.

RT 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 RT approved solvents. Use clean solvent only. In case of spill, absorb and dispose of in accordance with local, State, and/or Federal regulations.

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

Typical Mixed Properties

Color:	Various
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:	Min. 8 hrs., Max. 5 days
Flash Point:	5°F
Pot Life:	3 hrs. @ 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 ft2 @ 1.0 mils
Sag Resistance:	12+ mils (300 um)
Mix Ratio:	4:1 by volume w/ RT100B

Typical properties given do not constitute a supply specification.

Packaging/Storage

RT 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 Riteks representative.

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.

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.

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