

PRODUCT NAME**ACROTEL (DTM)****Water-Based Metal Coating****MANUFACTURER**

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FEATURES:

- Water-based, safe and easy to handle
- Very low odor and V.O.C. (Volatile Organic Compounds)
- Very good Durability
- Non-flammable
- Good leveling, flow, and microform-free properties.
- Outstanding adhesion to variety of substrates
- High Gloss latex
- Excellent exterior properties.
- Excellent resistance to UV light.

BASIC USE:

ACROTEL (DTM) is single component, high performance and extremely versatile, Green water-based Acrylic Latex, specially formulated to meet the conditions and properties required for high adhesion to metals, namely steel and aluminum in Industrial finishes.

ACROTEL (DTM) is used for both Exterior and Interior applications. **ACROTEL (DTM)** is an excellent one coat system for, Steels and Aluminum, and Galvanized Steel.

ACROTEL (DTM) can be used for different metal coatings such as steel office cabinets, industrial steel parts that need fast drying and excellent adhesion, along with high gloss.

ACROTEL (DTM) is also an outstanding paint for Concrete and Masonry.

COMPOSITION AND MATERIALS:

ACROTEL (DTM) is a water-based Acrylic Copolymer

LIMITATIONS:

DO NOT USE THIS PRODUCT IF TEMPERATURE IS LESS THAN 10C (50F) AND HUMIDITY IS > 60%.

Similar to any water borne coatings, **ACROTELS** are not recommended to be used in wet environment.

Continuous pressurized water washing is not recommended.

HEALTH AND SAFETY:

ACROTEL (DTM) is nontoxic and nonflammable. However, we recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Consult MSDS for additional information

PACKAGING:

ACROTEL (DTM) is packaged in 1qt, 1 gal, and 5 gal pails.

STORAGE AND TRANSPORTATION:

ACROTEL (DTM) when stored in a dry, cool area has a shelf-life of 12 months. **Keep from freezing.**

TECHNICAL DATA

Color	Available in variety of colors
Resin Type	Acrylic Copolymer
Percent Solids	35 +/- 5% (vol.)
Coverage - DFT	8.5 M ² /lit @ 50μ 350 ft ² /US Gal @ 2 Mills
Sheen (60°)	Gloss; 75-85% Semi-gloss; 40-50% Satin; 25-30% Eggshell, 5-6%
Drying Time @ 75°F (23°C), 55% Relative Humidity	1hr – to touch/recoat 24 hrs – light traffic 7 days – full cure
Reducer/Cleanup	Water
Viscosity 23°C (75°F)	70-85 KU
V.O.C. (Without water)	<185 grams/liter (1.54 lb/gal)
Cross Hatch Adhesion ASTM D-3359	5
Flexibility (conical Mandrel) 4" ASTM D522	Pass
Corrosion Resistance, Salt Spray 96hours(ASTM B117)	D#8,#6 at scribe,M#6,#4 on face,5mm undercut
Specific Gravity	1.12 +/- 0.1 g/L 9.35 +/- 0.8 lb/gal
QUV 313B-20/60°	Before After 1900 hrs, 39/74 9/47
QUV 340A-20/60°	1900 hrs, 39/74 9/45
PH	8.0-9.0

SOLVENT RESISTANCE:*

MEK Double Rubs	100
IPA Double Rubs	100
Xylene Double Rub	100

STAIN RESISTANCE, 4 HOURS EXPOSURE:*

Black Marker	4	Ball Point Ink	4
Crayon	5	Lipstick	5
Shoe Polish	4	Iodine	2
50% Ethanol/Water	4	Dye	5
Coffee	5	Tea	5
Water	5	Mustard	5
Ketchup	5	Nail Polish	5
Nail Polish Remover	2	Urine	5

CHEMICAL RESISTANCE, 4HOURS EXPOSURE:*

10% Acetic Acid	4
2% Nitric Acid	5
10% Sulfuric Acid	5
10% Sodium Hydroxide	5

STAIN RATING

(Rating: 5= Excellent, 4 = Very good slight stain, 3 = Good with stain, 2 = Fair, 1 = Poor, 0 = Failed)

SURFACE PREPARATION:

All surfaces to be coated must be free of dirt, oils and any other contaminants that may prevent proper adhesion.

Hard, glossy and non-porous surfaces should be mechanically abraded before coating application to improve adhesion.

Old Paint: If the surface has been previously painted, cut the old paint with an X shape and tape it down firmly using duct tape. Pull firmly on the tape to remove. If 25% or more of the paint is removed with the tape, painted surface is not bonded properly. Remove old paint using a paint stripper or shot blast. If less than 25% of the paint comes off, sand the surface with 220 grit sand paper and move onto the next step.

CLEANING

Use a good quality detergent and dilute with 1 liter (1/4 gallon) of water and mix thoroughly. Wash the entire surface with detergent solution. A power washer is a good choice for this application. Let the soap solution stand for 5 minutes prior rinsing. Rinse the entire surface twice with clean water using a power washer or water hose. Rub your fingers on the surface. If you see any dust or powder on your fingers repeat rinsing and scrubbing until no residue remains. Allow the surface to dry completely. Usually this will take approximately 1-2 hours depending on temperature and humidity.

Note: The surface must be completely cleaned, rinsed and dried; otherwise the paint may not bond properly to the surface.

APPLICATION

Use a good quality synthetic brush, roller or airless spray to apply an even coat of **ACROTEL (DTM)**. Maintain a wet edge to prevent overlap marks and gloss differences. **ACROTEL (DTM)** is designed as a one-coat system; therefore a one-coat application is sufficient to cover the entire surface.

NOTE: Film Formation of **ACROTEL (DTM)** depends on temperature and humidity. Minimum Film Formation Temperature is 10°C (50°F) and Maximum Relative Humidity is 60%.

As a rule, lower temperature and higher humidity will result in longer curing time.

Clean up

Wash all tools and equipment immediately with warm water and mild detergent.

MAINTENANCE None required.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Trendco Head Office.

TECHNICAL SERVICE

For advice on suitability of **ACROTEL (DTM)** for a specific application, specification assistance and application instructions, contact Technical Service: 905-791-3378

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