Benjamin Moore

COROTECH® HIGH PERFORMANCE

ACRYLIC DTM ENAMEL
GLOSS V330

Features

- For light-to-moderate industrial, commercial and select residential use
- Excellent for metal, as well as wood, masonry, drywall and other surfaces
- Interior/Exterior Use
- Resists flash rust on metal
- Excellent for all corrugated metal sheeting
- Can be used on galvanized and aluminum metal

General Description

Acrylic DTM Enamel is a tough waterborne acrylic enamel that fights rust on metal and provides a smooth, durable finish on wood, drywall and masonry substrates. A special inhibitor in the formula prevents flash rust when applied to ferrous metal, and the smooth dry film is UV and moisture resistant.

Recommended For

Carbon Steel, Iron, Aluminum, Galvanized, Other Non-Ferrous Metals, Concrete, Masonry, Wood, Fiberglass, Drywall. Corotech® Acrylic DTM Enamel is designed for use in Food and Beverage Processing, Industrial Maintenance, General Metal Finishing / Fabrication, Chemical Processing.

Limitations

- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) - Relative humidity should be below 90%.
- Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.
- Not for immersion service.
- Not recommended for coating over Kynar® or similar finishes.

Product Information

Colors — Standard:

White (01), Safety Yellow (10), Safety Red (20), Safety Blue (30), Safety Green (40), Bronzetone (62) – *satin finish*, Black (80)

— Tint Bases:

Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88).

Tint with Universal Colorants Only

— Special Colors:

Contact your retailer.

Certification & Qualifications:

The products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.09 lbs. /gal.) excluding water & exempt solvents.

Masters Painters Institute MPI # 154, 164

Suitable for use in USDA inspected facilities

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

Technical Assistance:

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data◊		White
Vehicle Type		Acrylic
Pigment Type		Titanium Dioxide
Volume Solids		40 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		300 – 350 Sq. Ft.
Recommended Film Thickness	– Wet	4.6 – 5.3 mils
	– Dry	1.8 – 2.2 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
Dry Time @ 77 °F (25 °C) @ 50% RH	– Tack Free	1 Hour
	– To Recoat	4 Hours
	– Full Cure	14 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By		Evaporation
Viscosity		80 – 85 KU
Flash Point		200 °F or Greater (TT-P-141, Method 4293)
Gloss / Sheen		Gloss (75+ units @ 60°)
Surface Temperature at Application	– Min.	50 °F
	– Max.	100 °F
Thin With		Water
Clean Up Thinner		Warm, Soapy Water
Weight Per Gallon		10.2 lbs.
Storage Temperature	– Min.	45 °F
	– Max.	95 °F

Volatile Organic Compounds (VOC)

220 Grams/Liter 1.84 Lbs./Gallon

Surface Preparation

Prior to painting any surface, remove all grease, dirt and other surface contamination by applying a solution of Corotech® Oil & Grease Emulsifier V600. Remove all remaining loose paint, rust and mill scale via Hand Tool Cleaning (SSPC-SP2) or Power Tool cleaning (SSPC-SP3). Fill holes and cracks and sand smooth. Glossy surfaces must be fully deglossed. Moderate to heavily rusted areas must be thoroughly prepared and active rust should be properly removed.

Ferrous Metal: Remove any active rusted areas according to the surface preparation instructions. Apply directly to properly prepared, ferrous metal surfaces. Additional protection can be attained by using a rust inhibitive primer. Apply one or two finish coats as needed. For enhanced adhesion and durability, apply Corotech® Waterborne Bonding Primer V175 prior to top coating.

Non-Ferrous Metal (Galvanized & Aluminum): Galvanized steel normally comes from the mill chemically treated or passivated, to prevent white rusting or oxidation of the galvanized surface during the time it is being stored or shipped to the job site. Due to this, the surface must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier V600 or solvent wiping in accordance with SSPC-SP1 prior to coating. Apply one or two finish coats as needed. For enhanced adhesion and durability, apply Corotech® Waterborne Bonding Primer V175 prior to top coating.

Wood Surfaces: Prime bare spots and new wood with a quality acrylic primer. Apply one or two finish coats as needed.

Plaster and Dry Wall: Prime new drywall and **fully cured** plaster with a quality acrylic primer. Apply one or two finish coats as needed.

Concrete Surfaces: Allow new concrete to age for a minimum of 30 days. New or old unpainted concrete should be etched with a muriatic acid solution and then rinsed thoroughly with water. Be sure to follow the manufacturer's instructions when mixing and using solution. (Protect skin and eyes by wearing rubber gloves and goggles.) Rinse surface thoroughly with clean water. Allow surface to dry completely before coating. Old painted concrete should be sanded. Prime with a quality acrylic primer. Apply one or two finish coats as needed.

Glossy Surfaces: Glossy surfaces must be deglossed to obtain a surface profile prior to coating. The preferred method is thoroughly sanding the surface area. Areas that cannot be properly deglossed should be primed with Corotech® Waterborne Bonding Primer V175 prior to finish coating.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead .

Application

Mix the product thoroughly before application. The use of a low speed drill mixer is recommended.

Thin with Water only.

Airless Spray (Preferred Method):
Tip range between .015 and .019.
Total fluid output pressure at tip should not be less than 2400 psi.

Air Spray (Pressure Pot):
DeVilbis MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

Brush: Synthetic Bristle only.

Roller: Short Nap Cover (Less than ½").

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/8" Mandrel
Dry Heat Resistance	200 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Spray (ASTM B117) (2 Coats over V110; 1000 Hours)	Rust Breakthrough: 10 Rust Area: 0.01%
Abrasion Resistance (ASTM D4060) CS-17 wheel, 1000 Cycles, 100 g Load	100 mg Loss
Accelerated Weathering (ASTM G53) 500 Hours	90% Gloss Retention < 0.25 DE Color Change (CMC)

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Good
Acids	Fair
Alkalis	Fair
Solvents	Not Recommended
Fuel	Not Recommended
Acidic Salt Solutions	Fair
Alkaline Salt Solutions	Fair
Neutral Salt Solutions	Good

SYSTEMS RECOMMENDATIONS
COMPATIBLE PRIMERS & INTERMEDIATES
V130, V131 Line, V132 Line, V133 Line, V140 Line, V142 Line, V155, V150 Line, V160 Line, V163, V110 Line, V114, V170, V175 and Other, Acrylic and Alkyd Primers
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.

Clean Up

Clean with warm, soapy water.

Environmental Health & Safety Information

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.

WARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
KEEP FROM FREEZING

Refer to Safety Data Sheet for additional health and safety information.