



WATERBORNE ENAMEL QUICK DRY ACRYLIC SPRAY DTM V300

Features

- Ideal solution for factory jobs requiring minimal "dry to handle" time
- Excellent for metal, as well as wood, masonry, drywall and other surfaces
- Hard scratch- and impact-resistant coating
- Recommended for machinery, tanks, factory equipment and more

Recommended For

Corotech® Quick Dry Acrylic Spray DTM is for interior and exterior use on Steel, Galvanized Steel, Aluminum, Masonry, Concrete, Wood, Machinery, Plaster, Drywall, and Properly Prepared Ferrous and Non-Ferrous Metals for tanks, equipment and other fixtures.

General Description

Quick-Dry Acrylic Spray DTM is an extremely durable, UV-resistant, modified-acrylic enamel that provides superior adhesion and maximum durability. Formulated for interior or exterior use on a variety of surfaces, including ferrous and non-ferrous metal, concrete, masonry, wood, and drywall. Quick-Dry Acrylic Spray DTM can also be used in dry-fall applications. Spray application preferred.

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

<p>Colors — Standard: Clear (00), White (01), Safety Yellow (10), Safety Red (20), Safety Blue (30), Safety Green (40), Bronzetone (62), Light Gray (71), Battleship Gray (75), Aluminum (78), Black (80), Wrought Iron Black (81) – <i>Flat Finish</i></p> <p>— Tint Bases: Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88). Tint with Universal Colorants Only</p> <p>— Special Colors: Contact your retailer.</p> <p>Certifications & Qualifications: VOC compliant in all regulated areas</p> <p>The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.83 lbs/gal.) excluding water & exempt solvents. Masters Painters Institute MPI # 114 Meets requirements for SSPC Paint Specification #24 Meets requirements for Federal specification TT-P-1511B Suitable For Use In USDA Inspected Facilities</p> <p>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</p>	<p>Technical Data ◊ White</p> <table border="1"> <tr> <td>Vehicle Type</td> <td>Acrylic</td> </tr> <tr> <td>Pigment Type</td> <td>Titanium Dioxide</td> </tr> <tr> <td>Volume Solids</td> <td>40 ± 1.0%</td> </tr> <tr> <td>Coverage per Gallon at Recommended Film Thickness</td> <td>300 – 400 Sq. Ft.</td> </tr> <tr> <td>Recommended Film Thickness</td> <td>– Wet 4.0 - 5.3 mils – Dry 1.6 - 2.1 mils</td> </tr> <tr> <td colspan="2">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.</td> </tr> <tr> <td>Dry Time @ 77 °F (25 °C) @ 50% RH</td> <td>– Tack Free 15 Minutes – To Recoat 2 Hours – Full Cure 14 Days</td> </tr> <tr> <td colspan="2">High humidity and cool temperatures will result in longer dry, recoat and service times.</td> </tr> <tr> <td>Dries By</td> <td>Evaporation</td> </tr> <tr> <td>Viscosity</td> <td>90 – 95 KU</td> </tr> <tr> <td>Flash Point</td> <td>200 °F or Greater (TT-P-141, Method 4293)</td> </tr> <tr> <td>Gloss / Sheen</td> <td>Gloss (85+ @ 60°) Wrought Iron Black - Flat (0-5 @ 60°)</td> </tr> <tr> <td>Surface Temperature at Application</td> <td>– Min. 50 °F – Max. 100 °F</td> </tr> <tr> <td>Thin With</td> <td>Water</td> </tr> <tr> <td>Clean Up Thinner</td> <td>Warm, Soapy Water</td> </tr> <tr> <td>Weight Per Gallon</td> <td>10.4 lbs</td> </tr> <tr> <td>Storage Temperature</td> <td>– Min. 45 °F – Max. 95 °F</td> </tr> <tr> <td colspan="2" style="text-align: center;">Volatile Organic Compounds (VOC)</td> </tr> <tr> <td>87 Grams/Liter</td> <td>0.73 Lbs./Gallon</td> </tr> </table>	Vehicle Type	Acrylic	Pigment Type	Titanium Dioxide	Volume Solids	40 ± 1.0%	Coverage per Gallon at Recommended Film Thickness	300 – 400 Sq. Ft.	Recommended Film Thickness	– Wet 4.0 - 5.3 mils – Dry 1.6 - 2.1 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 15 Minutes – To Recoat 2 Hours – Full Cure 14 Days	High humidity and cool temperatures will result in longer dry, recoat and service times.		Dries By	Evaporation	Viscosity	90 – 95 KU	Flash Point	200 °F or Greater (TT-P-141, Method 4293)	Gloss / Sheen	Gloss (85+ @ 60°) Wrought Iron Black - Flat (0-5 @ 60°)	Surface Temperature at Application	– Min. 50 °F – Max. 100 °F	Thin With	Water	Clean Up Thinner	Warm, Soapy Water	Weight Per Gallon	10.4 lbs	Storage Temperature	– Min. 45 °F – Max. 95 °F	Volatile Organic Compounds (VOC)		87 Grams/Liter	0.73 Lbs./Gallon
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◊ Reported values are for White. Contact retailer for values of other bases or colors.

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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): DeVilbiss 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	
Pencil Hardness	2B
Flexibility (ASTM D1737)	Pass 1/8" mandrel
Dry Heat Resistance	150 °F
Wet Heat Resistance	125 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117) 150 Hours (2 coats Over V110)	Rust Breakthrough: 10 Rating Rust Area: 0.01%
Exterior Exposure – 45 degrees/South Florida	100 mg Loss
Gloss Retention	80% or better

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.

Caution: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, a small amount of clean sand may be added. Stir often during application.



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.**