



QUICK DRY ACRYLIC SPRAY DTM V300

Features

- Ideal solution for factory jobs requiring minimal "dry to handle" time
- For wood, metal and masonry 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 Trim, 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 only application.

Limitations

- Do not apply if material, substrate or ambient temperature is below 10 °C (50 °F). 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.

Product Information

Colours — Standard:

Clear (00), White (01), Bronzestone (62), Light Gray (71), Aluminum (78), Black (80)

— Tint Bases:

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

Tint with Universal Colorants Only

— Special Colours:

Contact your retailer.

Certification:

The products supported by this data sheet contain a maximum of 100 grams per litre VOC / VOS (0.83 lbs/gal.) excluding water & exempt solvents.

This product is compliant as an Industrial Maintenance Coating.

Masters Painters Institute MPI #114.

Meets requirements for SSPC Paint Specification #24

Meets requirements for Federal specification TT-P-1511B

This product has been approved by CFIA (Canadian Food Inspection Agency) for use in Food Processing Facilities

Technical Assistance:

Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-877-711-6830, or visit www.benjaminmoore.ca

Technical Data◇

	White
Vehicle Type	Acrylic
Pigment Type	Titanium Dioxide
Volume Solids	40 ± 1.0%
Coverage per 3.79 L at Recommended Film Thickness	27.9 – 37.2 sq. m. (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 colour uniformity and minimize the disposal of excess paint.	
	– Tack Free 15 Minutes
Dry Time @ 25 °C (77 °F) @ 50% RH	– To Recoat 2 Hours Max: Unlimited
	– Full Cure 14 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.	
Dries By	Coalescence
Viscosity	90 – 95 KU
Flash Point	18.6 °C (200 °F) or Greater (TT-P-141, Method 4293)
Gloss / Sheen	85+ @ 15.6 °C (60 °F)
Surface Temperature at Application	– Min. 10 °C (50 °F) – Max. 32.2 °C (90 °F)
Thin With	Water
Clean Up Thinner	Warm, Soapy Water
Weight Per 3.79 L	4.7 kg (10.4 lbs)
Storage Temperature	– Min. 7.2 °C (45 °F) – Max. 35 °C (95 °F)
Volatile Organic Compounds (VOC)	
87 Grams/Litre	0.38 kg / 3.79 L (0.73 Lbs./Gallon)

◇ Reported values are for White. Contact retailer for values of other bases or colours.

Quick Dry Acrylic Spray DTM V300

Surface Preparation

Prior to painting any surface, area must be clean, dry and free of all grease, dirt, dust, oil and wax. Remove all loose and peeling paint by wire brushing, scraping or sanding. Fill holes and cracks and sand smooth. Dull glossy surfaces by sanding. Moderate to heavily rusted areas must be thoroughly cleaned and primed.

Ferrous Metal: Although this product may be applied directly to properly prepared, ferrous metal surfaces, additional protection can be attained by using a rust inhibitive primer. New metal surfaces should be primed with V110 Acrylic Metal Primer before applying V300 Acrylic Gloss DTM. Apply one or two coats as needed.

Galvanized or Aluminum: Clean oil from new galvanized metal by wiping with Lacquer Thinner using clean rags. Prime new or un-rusted metal with V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer.

Wood Surfaces: Sand surfaces. Prime bare spots and new wood with Insl-x Aqua-Lock™ Plus Primer. Apply one or two coats as needed.

Plaster and Dry Wall: Sand surfaces. Prime with Insl-x Aqua-Lock™ Plus Primer Sealer Stain Blocker.

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 Insl-x Aqua-Lock™ Plus Primer Sealer Stain Blocker, if previous finish is peeling, remove completely. Apply one or two coats of V300 as needed.

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 logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php

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 12.7 mm (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 10 °C (50 °F). 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 3.175 mm (1/8") Mandrel
Dry Heat Resistance	65.6 °C (150 °F)
Wet Heat Resistance	51.7 °C (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	
V132 Line, V142 Line, V155, V150 Line, V160 Line, V110, 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

WARNING!

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.

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.**