Driquik™ W/R VOC Graphite DTM

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Acrylic Latex
Description	One component, water based, graphite filled, low VOC, low gloss, Direct to Metal (DTM) acrylic latex coating that provides an excellent moisture barrier.
Features	• Excellent water resistance • Low VOC • Easy one coat coverage • Excellent adhesion to metal • Resistant to spillage /splash of mild chemical • Flexible • Very fast dry • Heat Resistant
Color	Black
Gloss	0-10° (ASTM D523 @ 60° angle)
Dry Film Thickness	3 - 5 mils (76 - 127 microns) single coat Not to exceed 10 mils (250 µm) DFT
Solids Content	By Volume 40% +/- 3%
Theoretical Coverage Rate	642 ft²/gal at 1.0 mils (15.7 m²/l at 25 microns) 214 ft²/gal at 3.0 mils (5.2 m²/l at 75 microns) 128 ft²/gal at 5.0 mils (3.1 m²/l at 125 microns) Allow for loss in mixing and application.

SUBSTRATES & SURFACE PREPARATION

Steel	Severe service applications – blasted to SSPC-SP-10 to a 1.5-2.5 mil angular profile Lesser service applications – blasted to SSPC-SP-6 Surface to be free of all looser rust, dirt, grease and other contaminants
Aluminum	Remove all surface contaminants and treat with Strathmore's Wash Primer or equivalent

PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Adhesion (ASTM D3359)	5B (no peeling or removal)
Conical Mandrel (ASTM D522)	Passes 1/8"
Hardness (ASTM D3363)	3B
Heat Resistance	5 hrs @ 400°F for two consecutive days
Humidity Resistance (ASTM D4585)	>2000 hrs
Impact Resistance (ASTM D2794)	Up to 120 lbs.in (Direct) and 60 lbs.in (Rev)
Water Resistance (ASTM D870)	700 hours

MIXING & THINNING

Mixing	Agitate thoroughly again after combining
Thinning	Not Recommended, if necessary reduce 3-5% with water

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Airless Spray

- 45:1 Airless spray equipment
- Tip Size: 0.015 to 0.019
- Pump Pressure: 2500-3500 psi (17-24 MPa)

To minimize or eliminate thinner use in-line heated equipment with insulated hoses to reach application vis. Do not exceed 165°F (74°C).

APPLICATION PROCEDURES

General | Designed to be applied direct to metal in a single or two coat application.

APPLICATION CONDITIONS

Condition

Must be a minimum of 5°F (3°C) above the dew point during the surface preparation and coating application

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Dry to Touch	Dry to Handle	Dry Hard
70°F (21°C)	1 Hour	1 Hour	2 Hours	24 Hours

Force Cure | If car is force dried, 1 hr minimum air dry @ 75°F (23°C) before oven. Then force dry @ 145°F (60°C) for 1 hour, adjusting for ambient maximum conditions.

CLEANUP & SAFETY

Cleanup | Water may be used for clean up. Batch mixed material will set up in the lines and equipment if left overnight. With plural component equipment, be sure to flush from the mixing head through the delivery hose and guns.

Safety | Handle with care. Before and during use, observe all safety labels on packaging and paint containers and follow all caution statements on this product data sheet. Consult the Safety Data Sheet (SDS) for this product and follow all local or national safety regulations. Employ normal workmanlike safety precautions.

Ventilation | When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

PACKAGING, HANDLING & STORAGE

Packaging	55 gal drums or 5 gal pails
Shelf Life	Generally one year from date of manufacturing when kept at recommended storage conditions at 70°F (21°C) and in original unopened containers. Do not use material beyond shelf life.
Storage Temperature & Humidity	Do not store at temperatures above 100°F (38°C).
Storage	Containers must be closed tightly. Do not store outside. Rotate stock.

WARRANTY

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