Benjamin Moore®

COROTECH® HIGH PERFORMANCE

ALKYD URETHANE GLOSS V200

Features

- Good Color & Gloss Retention
- Good Abrasion Resistance
- Standard Line of Colors
- Unlimited Custom Tinted Colors
- Interior Or Exterior Use
- Rust Preventative Coating
- Suitable For Use In USDA Inspected Facilities

General Description

Corotech® Alkyd Urethane Gloss Enamel is formulated as a heavy duty, industrial enamel finish for interior or exterior surfaces. The surface wetting characteristics inherent in this product allows for application over marginally prepared surfaces. The ease of application and exceptional flow allows for an aesthetically pleasing finish, with excellent protective qualities. The urethane modification far surpasses the performance of straight alkyd formulations in exterior exposures.

Recommended For

Primed Metal & Iron. Corotech® Alkyd Urethane Gloss Enamel is not for use on aluminum or wood siding. This product is intended for use as an interior and exterior coating and can be used on a wide variety of metal surfaces. It can be used in manufacturing facilities as well. This product is not recommended for application to non-ferrous metals such as galvanized metal or aluminum unless primed with V110 Acrylic Metal Primer. When used in industrial or professional applications, this product may be used on most surfaces including wood, masonry, drywall, etc.

Limitations

- Do not apply if material, substrate or ambient temperature is below 45°F (7.2 °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.
- DO NOT topcoat with products such as epoxies or urethanes containing aromatic or oxygenated solvents.

Product Information

Colors — Standard:

White, Safety Yellow, Safety Red, Safety Blue, Safety Green, Bronzetone Satin, Silver Gray, Battleship Gray, Black, Wrought Iron Black

— Tint Bases:

V200.85, Pastel Base

V200.86, Tint Base

V200.87, Deep Base

V200.88, Clear Base

V200.89, Industrial Deep Base

This line can be tinted with Universal (glycol based) colorants.

— Special Colors:

Contact your retailer.

Certification:

The products supported by this data sheet contain a maximum of 340 grams per liter VOC / VOS (2.83 lbs. /gal.) excluding water & exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as an Industrial Maintenance Coating.

This product is currently approved for use under MPI 9, 27 and 48.

V200 meets performance requirements of TT-E-487E, -489J, -491C, -496 (Type II), -506K, -1593 and -2784A

V200-80 meets performance requirements of SSPC Paint #102

V200 meets performance requirements of A-A-2962

V200 meets performance requirements of DOD-E-1115, -1265, -18210 and -18214

V200 meets performance requirements of MIL-E-20090 and -15090 Type I

Suitable for use in USDA inspected facilities

Technical Assistance:

Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-225-5554, or visit www.benjaminmoore.com

Technical Data◊		White
Vehicle Type		Modified Alkyd
Pigment Type		Titanium Oxide
Volume Solids		50 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		400 – 450 Sq. Ft.
Recommended Film Thickness	– Wet	3.6 – 4.0 mils
	– Dry	2.0 - 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	4 Hours
	– To Recoat	12 Hours
	– Full Cure	4 – 6 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By		Oxidation
Viscosity		80 – 85 KU
Flash Point		104°F (TT-P-141, Method 4293)
Gloss/Sheen		80+ units @ 60°
Surface Temperature at Application	– Min.	45°F
	– Max.	90°F
Thin With		Do Not Thin
Clean Up Thinner		V701 Brushing Reducer or Mineral Spirits
Weight Per Gallon		9.8 Lbs.
Storage Temperature	– Min.	45°F
	– Max.	95°F

Volatile Organic Compounds (VOC)

335 Grams/Liter 2.8 Lbs./Gallon

◊ Reported values are for White. Contact retailer for values of other bases or colors.

Surface Preparation

The performance of this product is directly dependent upon the degree of surface preparation employed. All Grease Oil, Dirt, Mildew, or any other surface contaminants must be removed using Corotech V600 Oil & Grease Emulsifier.

Ferrous Metal: All rust and mill scale should be removed prior to application of this product. This is best accomplished by abrasive blasting. A minimum of SSPC-SP 6 Commercial Blast is recommended for severe environmental exposures. Small areas may be cleaned in accordance with SSPC-SP 2 Hand Tool Cleaning or SSPC-SP 3 Power Tool Cleaning or SSPC-SP 11 Power Tool Cleaning to Bare Metal. It is recommended that the prepared ferrous metal be primed for best corrosion resistance.

Non-Ferrous Metals: Solvent Clean or use Corotech V600 Oil & Grease Emulsifier.in accordance with SSPC-SP1. The use of an Acrylic or Phenolic Alkyd primer on non-ferrous metals is recommended.

Concrete: Form release agents and curing compounds must be removed prior to coating. The concrete to be coated must be opened to enable coating penetration; this may be accomplished by acid washing or abrasive blasting. Coarse masonry should be primed with appropriate block filler.

For use on substrates other than specified above, please contact our Technical Service Department.

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 Information 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 drill mixer at low speed will best accomplish this.

Airless Spray: Tip range between .013 and .017. Total fluid output pressure at tip should not be less than 2200 psi.

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

Brush / Roller: Can be brushed using a natural bristle brush or rolled using a 3/8" lambs wool or 1/4" - 1/2" synthetic roller cover. Roll in one direction, rewet, then cross roll.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 45°F (7.2°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 1/4" (6.35 mm) Mandrel
Dry Heat Resistance	275° F (135°C)
Wet Heat Resistance	150° F (65.56°C)
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117) Two coats over V140 Line primer	500 Hours-Pass (Rating 10, Rust Area 0.00%)
Accelerated Weather (ASTM G53)	70% Retention after 500 Hrs.
Abrasion Resistance (ASTM D4060)-CS10 Wheel	120mg loss after 1000 cycles

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Good
Acids	Fair
Alkalis	Fair
Solvents	Fair
Fuel	Fair
Acidic Salt Solutions	Good
Alkaline Salt Solutions	Good
Neutral Salt Solutions	Good

SYSTEMS RECOMMENDATIONS
COMPATIBLE PRIMERS
V110 Line, V114, V130, V131 Line, V132 Line, V133 Line, V140 Line, V142 Line, V155, V150 Line, V160 Line, V163, V175, V180 and other acrylic and alkyd primers

Clean Up

Clean with V701 Brushing Reducer or Mineral Spirits.

Environmental Health & Safety Information

DANGER!

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

May be fatal if swallowed and enters airways

Flammable liquid and vapor

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust /fume /mist /vapors /spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Keep away from heat /sparks /open flames /hot surfaces, no smoking. Keep container tightly closed. Ground /bond container and receiving equipment. Use explosion-proof electrical /ventilating /lighting /equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Response: If exposed or concerned, get medical attention. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse. If on skin (or hair), take off immediately all contaminated clothing. Rinse skin with water. If swallowed, immediately call a POISON CENTER or physician. Do NOT induce vomiting. In case of fire, use CO2, dry chemical, or foam for extinction.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents /container to an approved waste disposal plant.

DANGER – Rags, steel wool or waste soaked with the product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.
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

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

Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: 800-225-5554 Fax: 888-248-2143 www.benjaminmoore.com M72 V200 EN 052016