



## ALKYD URETHANE ENAMEL GLOSS V200-78 ALUMINUM

### Features

- Urethane modification for maximum durability
- Easy application
- Hard, scratch- and impact-resistant coating
- For use on all surfaces

### Recommended For

Corotech® Alkyd Urethane Enamel Gloss is intended for use as an interior and exterior coating on a wide variety of surfaces, such as previously painted surfaces, ferrous metal, wood, and drywall. It is most commonly used in industrial or professional applications. This product is not recommended for direct application to non-ferrous metals such as galvanized metal or aluminum unless primed with V110 Acrylic Metal Primer.

### General Description

V200 is a heavy-duty alkyd enamel intended for use on a wide variety of surfaces, both interior and exterior. The surface-tolerant formula sticks to surfaces that may be marginally prepared, and the exceptional flow and leveling provides a smooth, uniform finish. Made with our toughest alkyd resin, this paint stands up to mechanical and human abuse, while the urethane fortification adds gloss and color retention in exterior spaces exposed to sunlight and rain.

### 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.
- DO NOT topcoat with products such as epoxies or urethanes containing aromatic or oxygenated solvents.

### Product Information

Colors — Standard:		Technical Data◇		Aluminum
Aluminum (78)		Vehicle Type		Modified Alkyd
— Tint Bases:		Pigment Type		Titanium Oxide
N/A		Volume Solids		43 ± 1.0%
Do Not Tint		Coverage per Gallon at Recommended Film Thickness		400 – 450 Sq. Ft.
— Special Colors:		Recommended Film Thickness		– Wet 3.6 – 4.0 mils – Dry 1.5 – 1.7 mils
N/A		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.		
Certifications & Qualifications:		Dry Time @ 77 °F (25 °C) @ 50% RH		
<p>The products supported by this data sheet contain a maximum of 450 grams per liter VOC / VOS (3.7 lbs./gal.) excluding water &amp; exempt solvents.</p> <p>Master Painters Institute MPI # 1</p> <p>Meets the performance requirements for SSPC #101 &amp; #108</p> <p>Suitable for use in USDA inspected facilities</p>	VOC REGION		COMPLIANT	
	FEDERAL		YES	
	OTC		YES	
	LADCO		YES	
	OTCII		YES	
	OTCII RI		YES	
	CARB		YES	
	CARB07		YES	
	UTAH		YES	
AZMC		NO		
SCAQMD		NO		
Technical Assistance:		High humidity and cool temperatures will result in longer dry, recoat and service times.		
Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit <a href="http://www.benjaminmoore.com">www.benjaminmoore.com</a>		Dries By		Oxidation
		Viscosity		80 – 85 KU
		Flash Point		104 °F (TT-P-141, Method 4293)
		Gloss/Sheen		Gloss (80+ units @ 60°)
		Surface Temperature at Application		– Min. 50 °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
		<b>Volatile Organic Compounds (VOC)</b>		
		438 Grams/Liter 3.7 Lbs./Gallon		

◇ Reported values are for Aluminum.

## Alkyd Urethane Gloss V200-78

### 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.

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

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

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](http://www.epa.gov/lead).

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/4" (6.35 mm) Mandrel
Dry Heat Resistance	275 °F (135 °C)
Wet Heat Resistance	150 °F (65.5 °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	

### 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):** DeVilbiss 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 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.

### Clean Up

Clean with V701 Brushing Reducer or Mineral Spirits.

### Environmental Health & Safety Information

#### DANGER!

Harmful if inhaled

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of causing cancer

May damage fertility or the unborn child

May cause drowsiness or dizziness

Causes damage to organs through prolonged or repeated exposure

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. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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. Keep cool. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

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

**DANGER** - Rags, steel wool or waste soaked with this 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:** Cancer and Reproductive Harm—  
[www.P65warnings.ca.gov](http://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**

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