



ALKYD URETHANE ENAMEL V200

Features

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

Recommended For

Corotech® Alkyd Urethane Enamel 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 product 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 levelling 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 colour retention in exterior spaces exposed to sunlight and rain.

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 directly to galvanized metal.
- Not for immersion service.
- DO NOT topcoat with products such as epoxies or urethanes containing aromatic or oxygenated solvents.

Product Information

Colours — Standard:	Technical Data◇	White
White (01), Safety Yellow (10), Safety Red (20), Safety Blue (30), Safety Green (40), Bronzestone (62) - <i>Satin Finish</i> , Silver Gray (70), Battleship Gray (75), Black (80), Wrought Iron Black (81) – <i>Flat Finish</i>	Vehicle Type	Modified Alkyd
— Tint Bases: Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88). Tint with Universal Colorants Only	Pigment Type	Titanium Oxide
— Special Colours: Contact your retailer.	Volume Solids	56 ± 1.0%
Certification: The products supported by this data sheet contain a maximum of 340 grams per litre VOC / VOS excluding water & exempt solvents. Masters Painters Institute MPI # 9, 27 & 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 MIL-E-20090 and -15090 Type I	Coverage per 3.79 L at Recommended Film Thickness	37.16 – 46.50 sq. m. (400 – 450 sq. ft.)
Technical Assistance: Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-361-5898, or visit www.benjaminmoore.ca	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 colour uniformity and minimize the disposal of excess paint.	
	Dry Time @ 25 °C (77 °F) @ 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	40 °C (104 °F) (TT-P-141, Method 4293)
	Gloss/Sheen	80+ units @ 60°
	Surface Temperature at Application	– Min. 10 °C (50 °F) – Max. 32.2 °C (90 °F)
	Thin With	Do Not Thin
	Clean Up Thinner	V701 Brushing Reducer or Mineral Spirits
	Weight per 3.79 L	4.4 kg (9.8 lbs)
	Storage Temperature	– Min. 7.2 °C (45 °F) – Max. 35 °C (95 °F)
	Volatile Organic Compounds (VOC)	
	335 Grams/Litre	

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

Alkyd Urethane Enamel V200

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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

TEST DATA	
Flexibility (ASTM D1737)	Pass 6.35 mm (1/4") Mandrel
Dry Heat Resistance	135 °C (275 °F)
Wet Heat Resistance	65.56 °C (150 °F)
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	120 mg 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 0.95 cm (3/8") lambs wool or 0.64 cm (1/4") – 1.27 cm (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 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.

Clean Up

Clean with V701 Brushing Reducer or Mineral Spirits.

Environmental Health & Safety Information

DANGER!

May cause an allergic skin reaction

Suspected of causing cancer

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapour

Risk of spontaneous combustion

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/mist/vapours/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. 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. Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

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 CENTRE 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.

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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.**