ALIPHATIC ACRYLIC URETHANE GLOSS V500

Features
- Resistant to hydraulic fluid
- Outstanding UV protection
- Excellent anti-graffiti coating
- High chemical and abrasion resistance

Recommended For

Product Information

**Colours — Standard:**
- Clear (00), White (01), Black (80)

**— Tint Bases:**
- Tintable White (86), Deep Base (87), Clear Base (88)
- Tint With Industrial (844 Type) Colorants Only

**— Special Colours:**
Contact your retailer.

**Certification:**
The products supported by this data sheet contain a maximum of 250 grams per litre VOC / VOS excluding water & exempt solvents. This product is compliant as an Industrial Maintenance Coating.
Masters Painters Institute MPI # 72, 78, 83, 105 & 205.
This product has been approved by CFIA (Canadian Food Inspection Agency) for use in Food Processing Facilities.
Meets Performance Requirements of Mil-C-85285/85286/83445

**Technical Data**:  
White

- **Generic Type**: Aliphatic Acrylic Urethane
- **Pigment Type**: Titanium Dioxide
- **Volume Solids (mixed as recommended)**: 72% ± 1.0%
- **Coverage per 3.79 L at Recommended Film Thickness**: 32.5-46.5 sq. m. (350 – 500 sq. ft.)
- **Recommended Film Thickness**:
  - Wet: 3.2 – 4.6 mils
  - Dry: 2.3 - 3.3 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)**:
  - To Touch: 2 Hours
  - To Recoat: 8 - 72 Hours
  - Full Service: 24 - 48 Hours
- **If topcoat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion. Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times.**
- **Dries By**: Chemical Cure
- **Dry Heat Resistance**: 148.9°C (300°F)
- **Viscosity @ 25°C (77°F) (mixed as recommended)**: 65 – 75 KU
- **Flash Point**: 36.6°C (98°F) (TT-P-141, Method 4293)
- **Gloss/Sheen**: 85+ (Units @ 60°)
- **Surface Temperature at application**:
  - Min.: 10°C (50°F)
  - Max.: 32°C (90°F)
- **Surface must be dry and at least 5° above the dew point**
- **Thin With**:
  - Do Not Thin

**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

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

Benjamin Moore & Co., Ltd. 8775 Keele St., Concord, ON L4K 2N1 Tel 877-711-6830 Fax: 888-248-2143 www.benjaminmoore.ca M72 V500 CE 032017
**Aliphatic Acrylic Urethane Gloss V500**

**Surface Preparation**

The performance of this product is directly dependent upon the degree of surface preparation employed. Removal of all contaminants should be completed in accordance with SSPC-SP 1 using Corotech V600 Oil & Grease Emulsifier followed by specific preparation methods as indicated on primer data sheets. Rust and mill scale must be removed from carbon steel and iron substrates as outlined on specific primer data sheets. Surface to be coated must be clean, sound and dry. Fresh concrete must age at least thirty days before coating. All oil, grease, release agents, curing compounds, concrete hardeners, laitance and other contaminates must be removed before coating.

**NEW SURFACES**

**Steel:** Blast selection and choice of primer will be dependent on the severity of exposure and degree of protection required. Maximum protection will be attained using an SSPC-SP 10 Near White Metal Blast followed by 1 coat of Corotech® V150 Epoxy Primer or V160 Epoxy Mastic and 2 coats of Corotech® V500 Aliphatic Acrylic Urethane. Please contact your Corotech® representative or technical service for recommendations on less severe applications.

**Concrete:** All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer directions and safety instructions. Corotech® V620 Concrete Etch is recommended. Rinse and neutralize thoroughly and allow to dry. Prime concrete with 1 coat Corotech® V155 Epoxy Pre-Primer followed by 1 coat of Corotech® V400 Polyamide Epoxy and a topcoat of Corotech® V500 Aliphatic Acrylic Urethane.

**Galvanized and Non-Ferrous Metals:** Solvent clean all surfaces. Apply 1 coat of Corotech® V110 Acrylic Metal Primer or Corotech® V175 Waterborne Bonding Primer. Can also use most epoxy primer and intermediate coatings.

**Previously Painted Surface:** Can be applied over old thermoset finishes in good condition. Test patches are recommended to check for wrinkling or lifting of existing coatings. If lifting occurs, Corotech® V155 Pre-Primer may be used over all existing coatings as a barrier coat.

**Fibreglass:** Can be applied directly to clean, previously unpainted fiberglass. Scuff sand fiberglass to promote better adhesion.

**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 thorouglh mix the two together. Allow 15 minutes @ 25°C (77°F) induction or “sweat-in” time @ 25°C (77°F) prior to applying the mixed product to the substrate. Do not apply Corotech® Aliphatic Acrylic Urethane if air or surface temperatures are below 10°C (50°F) or above 32°C (90°F), or in relative humidity levels greater than 85%, or if surface or air temperatures are within 5 degrees of the dew point. Product should be allowed to dry tack free prior to air or surface temperatures being within 5 degrees of the dew point. This product is formulated to be applied without thinning. The dry and recoat times may be slowed by using up to 60 mL per 3.79 L of Corotech V701 Brush & Spray Reducer. Do not use VM&P Naphtha to thin this product.
Clean Up
V700 Urethane Reducer.

Environmental Health & Safety Information

Danger!
May cause an allergic skin reaction
May cause cancer
May cause damage to organs through prolonged or repeated exposure
Flammable liquid and vapour

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. 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. 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.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

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

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