**WATERBORNE URETHANE GLOSS V540**

### Features
- Waterborne urethane
- Outstanding UV protection
- Low VOC
- Quick return to service time for minimum down time
- Excellent for floor applications

### General Description
This coating produces an extremely durable, chemical-resistant surface that cleans easily with soap and water. Provides outstanding gloss retention and resists scratches and abrasion. This is a two-component product that requires 3.75 parts of the proper "A" component mixed with 1 part of part "B" catalyst. The components are already premeasured to the proper mix ratio. No measuring required. Do not mix partial kits.

### Limited For
- Do not apply if air or surface temperatures are below 10 °C (50 °F) or above 35 °C (95 °F), or in relative humidity levels greater than 85%.
- This product is not for immersion service.
- DO NOT APPLY AT MORE THAN 2.0 MILS DFT

### Technical Data

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic Type</td>
<td>Waterborne Acrylic Polyurethane</td>
</tr>
<tr>
<td>Pigment Type</td>
<td>Titanium Dioxide</td>
</tr>
<tr>
<td>Volume Solids (mixed as recommended)</td>
<td>47% ± 1.0%</td>
</tr>
<tr>
<td>Coverage per 3.79 L at</td>
<td>35.6 - 53.2 sq. m. (350 - 500 Sq. Ft.)</td>
</tr>
<tr>
<td>Recommended Film Thickness</td>
<td>Wet: 3.2 - 4.6 mils</td>
</tr>
<tr>
<td></td>
<td>Dry: 1.5 - 2.0 mils</td>
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</tr>
<tr>
<td>Dry Time @ 25 °C (77 °F) @ 50% RH</td>
<td>To Touch: 1 Hour</td>
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<td></td>
<td>To Recoat: 3 Hours</td>
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<tr>
<td></td>
<td>Full Cure: 4 – 7 Days</td>
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<tr>
<td>Induction time @ 21 °C (70 °F)</td>
<td>15 Minutes</td>
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<tr>
<td>Weight Per Gallon (mixed as recommended)</td>
<td>4.8 kg (10.5 lbs.)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>Min: 7.2 °C (45 °F)</td>
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<tr>
<td></td>
<td>Max: 35 °C (95 °F)</td>
</tr>
</tbody>
</table>

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

### Certifications & Qualifications:
- VOC compliant in all regulated areas
- The products supported by this data sheet contain a maximum of 100 grams per litre VOC / VOS excluding water & exempt solvents.
- Qualifies for LEED® v4 Credit
- Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)
- CDPH v1 Emission Certified
- Masters Painters Institute MPI # 105, 205 & 256

### Technical Assistance:
Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-361-5898 or visit www.benjaminmoore.ca
Waterborne Urethane Gloss V540

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 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 contaminants must be removed before coating. After the concrete floor has been prepared and allowed to dry (measuring 10% or less with moisture metre), apply one coat of Corotech® V155 Epoxy Pre-Primer at 55.8 – 73.3 sq. m. (600-800 sq. ft.) per 3.79 L (1.5 mils) following label instructions.

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 and for 2 coats of Corotech® V540 Waterborne Urethane. Please contact your Insl-x 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. Priming concrete with 1 coat of Corotech® V150 Epoxy Primer followed by 1 coat of Corotech® V400 Polyamide Epoxy and a topcoat of Corotech® V540 Waterborne 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.

Previously Painted Surface: Can be applied over old thermoset finishes in good condition. Scuff sand to promote better adhesion.

Fibreglass: Can be applied directly to clean, previously unpainted fibreglass. Scuff sand fibreglass 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 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

Application

Mix ratio is 3.75:1. Separately mix the “A” & “B” components thoroughly before mixing together. The use of a drill mixer at low speed will best accomplish this task. Add the full contents of the 946 mL size “B” component to the “A” and thoroughly mix the two together. This product may gel when first mixed. If this occurs, immediately thin mixed product with 10% clean water after induction time. At elevated temperatures, product may gel when first mixed. If this occurs, immediately thin mixed product with 10% clean water after induction time. After mixing, the usable pot life is approximately 4 hours. At elevated temperatures, pot life will be shortened. Caution: Product must be mechanically mixed. Hand mixing will not blend components properly. Thin with 10% clean water after induction time.

Do not apply Corotech® Waterborne Polyurethane 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.

Apply using brush, roller or sprayer. If rolling, use 12.7 mm (½”) lambs wool or 6.35 mm to 12.7 mm (¼ – ½”) synthetic roller cover. Keep roller wet. Do not over roll. Clean equipment promptly after use with water.

Note: Coated surfaces may discoulour under tires due to plasticizer migration.

Where non-skid characteristics are desired, hand broadcast an appropriate anti-slip aggregate into the wet film then back-roll to encapsulate. Benjamin Moore’s Corotech® Anti-Slip Aggregate V630 works well for non-clear coats.
Clean Up

Clean up with water.

Environmental Health & Safety Information

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.

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, use the appropriate anti-slip aggregate.

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
KEEP FROM FREEZING
FOR PROFESSIONAL USE ONLY

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