



# MOISTURE TOLERANT QUICK SET EPOXY SEALER V156

## Features

- Fast set – recoat in 5 hours
- Can tolerate slightly damp masonry
- Water clean-up with low odour
- Suitable for Use in USDA Inspected Facilities
- May be used as a stand-alone semi-gloss clear coat (2 coats)

## Recommended For

Interior Concrete Floors. Corotech® Moisture Tolerant Quick Set Epoxy Clear Sealer is designed primarily for bare or previously coated concrete floors. Use in traffic aisles, food processing, laboratories, showers, manufacturing facilities, institutional facilities and commercial buildings.

## General Description

Moisture Tolerant Quick-Set Epoxy Sealer is a two-component, fast-dry, waterborne polyamide hybrid sealer for masonry floors. It is an excellent primer/basecoat for high-performance epoxy floor systems, with fast-dry performance. This product can also be used as a stand-alone clear finish on masonry floors (2 coats). **This is a two-component product that requires 4.3 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.**

## Limitations

- Do not apply if material, substrate or ambient temperature is below 7.2 °C (45 °F) or greater than 32 °C (90 °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.

## Product Information

| Colours — Standard:  | Technical Data◇  | Clear  |
|--|--|--|
| Clear (00)   | Generic Type   | 2-Component WB Epoxy   |
|  | Pigment Type   | N/A  |
|  | Volume Solids (mixed as recommended)   | 31% mixed  |
|  | Coverage per 3.79 L at   | 27.9 – 32.5 sq. m.   |
|  | Recommended Film Thickness   | (300 – 350 sq. ft)   |
|  | Recommended – Wet Film Thickness   | 4.5 – 5.0 mils   |
|  | – Dry  | 1.4 – 1.6 mils   |
|  | Depending on surface texture and porosity.   |  |
|  | Dry Time @ 25 °C (77 °F) @ 50% RH  | 2 Hours – To Touch<br>5 Hours – To Recoat<br>72 Hours – Max: 72 Hours – To Cure* |
|  | *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  | 115.4 °C (240 °F)  |
|  | Viscosity @ 25 °C (77 °F) (mixed as recommended)   | 85 – 90 KU   |
|  | Flash Point  | Mixed: Greater than 93.2 °C (200 °F)<br>(TT-P-141, Method 4293)                  |
|  | Gloss/Sheen  | Semi-Gloss/45 – 55 (Units @ 16 °C [60 °F])                                       |
|  | Surface Temperature at application   | – Min. 7.2 °C (45 °F)<br>– Max. 32.2 °C (90 °F)                                  |
|  | Thin With  | Do Not Thin  |
|  | Clean Up Thinner   | Warm, Soapy Water Followed by Corotech® V704 Epoxy Thinner                       |
|  | Mixed Ratio (by volume)  | Premeasured 4.3 : 1  |
|  | Induction time @ 25 °C (77 °F)   | Not Required   |
|  | Pot Life @ 25 °C (77 °F)   | 1 Hour   |
|  | Weight Per 3.79 L (mixed as recommended)   | 3.9 kg (8.5 lbs)   |
|  | Storage Temperature  | – Min. 7.2 °C (45 °F)<br>– Max. 35 °C (95 °F)                                    |
|  | <b>Volatile Organic Compounds (VOC)</b><br>94 Grams / Litre*<br>* Catalyzed  |  |
| <b>Colours — Standard:</b>   |  |  |
| Clear (00)   |  |  |
| <b>— Tint Bases:</b>   |  |  |
| Do not tint.   |  |  |
| <b>— Special Colours:</b>  |  |  |
| Contact your retailer.   |  |  |
| <b>Certification:</b>  |  |  |
| The products supported by this data sheet contain a maximum of 100 grams per litre VOC / VOS excluding water & exempt solvents.  |  |  |
| This product is compliant as an Industrial Maintenance Coating.  |  |  |
| <b>Technical Assistance:</b>   |  |  |
| Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-877-711-6830, or visit <a href="http://www.benjaminmoore.ca">www.benjaminmoore.ca</a> |  |  |

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

## Moisture Tolerant Quick Set Epoxy Sealer V156

### Surface Preparation

All surfaces to be coated must be clean, sound, dry and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants. Clean all surfaces with Corotech® V600 Oil & Grease Emulsifier or V610 Citrus Cleaner. Rinse thoroughly with clean water per label directions. Curing compounds, concrete hardeners and previous paint finishes can be removed by chemical or mechanical methods. Using mechanical method, abrade or shot blast the surface until curing compound, hardener or paint is completely removed. For laitance removal and to assure a PH level of between seven and nine, etch the bare concrete with Corotech® V620 Concrete Etch. When properly prepared, the bare concrete surface should resemble the texture of medium grade sandpaper. Whenever acid etching and/or shot blasting methods of surface preparation are used, it is important to leave the concrete with a uniform profile texture. Over profiling the concrete surface could damage the concrete integrity and will result in reduced coverage rates of the Moisture Tolerant Quick Set Epoxy Sealer.

**NEW SURFACES: Concrete & Masonry:** All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or mechanically abrade as described above. Rinse thoroughly and allow to dry.

**Previously Painted Surfaces:** Ensure existing coating has excellent adhesion to the substrate. Clean and abrade as described above. Do Not Acid Etch A Previously Painted Surface!

**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 @ [http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked\\_questions-questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php)

### Application

This is a two component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions. Mix "A" & "B" separately to begin with.

- Carefully empty the entire contents of V156-90 activator into the can of V156-Part A component resin; scrape the sides of the pail of Part B to make sure all liquid has been added. Part A container is oversized to completely accept entire contents of Part B material.
- Using a jiffy mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process.
- Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating.
- Product can be used immediately – No induction time is required.

**Do not thin this product – it is ready to use once both components are thoroughly mixed.**

It is extremely important to remember that Epoxy Coatings have a limited pot life; therefore, it is wise to make sure sufficient manpower and correct application tools are in order prior to starting the mixing sequence. Estimated pot life is: 1 Hour @ 25 °C (77 °F)

#### Application:

All new or uncoated surfaces should be coated with one coat of V156 applied by a notched squeegee and then back rolled or back brushed at a spread rate of approximately 27.9 – 32.5 sq. m. per 3.79 L (300-350 sq/ft per gallon). If the floor is shot blasted, use a straight blade squeegee and back roll. Do not allow product to puddle. Re-roll to eliminate any puddles.

**Brush:** Synthetic Bristle only. / **Roller:** Industrial Cover with Phenolic core. 6.35 mm – 12.7 mm (¼" – ½") nap.

**Spray:** Not recommended

**NOTE:** Do not apply if material, substrate or ambient temperature is below 7.2 °C (45 °F) or greater than 32 °C (90 °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. Do not apply to wet surfaces. All excessive water must be removed.

**ADDED NOTES:** All painted surfaces can be slippery. When nonskid properties are required, add a non-skid additive as needed. All epoxy coatings will chalk and fade if applied on exterior surfaces subjected to direct sunlight. All epoxies tend to yellow. This product will stain with prolonged exposure to some solvents and chemicals, or in kennels if exposed to animal waste. This staining will not affect the durability or protective qualities of the coating. This product will not cure at surface temperatures below 7.2 °C (45 °F).

**CURE TIME: Light Industrial Use:** 72 Hours **Moderate to Heavy Industrial Use:** 5-7 days **Full Cure:** Approximately 7 Days

| TEST DATA                                 |   |
|---|---|
| Dry Heat Resistance                       | 116 °C (240 °F)                                       |
| CHEMICAL RESISTANCE GUIDE (NON-IMMERSION) |   |
| Fresh Water                               | See Performance Characteristics of Topcoat Being Used |
| Salt Water                                |   |
| Acids                                     |   |
| Alkalis                                   |   |
| Solvents                                  |   |
| Fuel                                      |   |
| Acidic Salt Solutions                     |   |
| Alkaline Salt Solutions                   |   |
| Neutral Salt Solutions                    |   |

| SYSTEMS RECOMMENDATIONS   |  |
|---|--|
| COMPATIBLE FINISHES   |  |
| V220 Line, V300 Line, V330 Line, V400 Line, V410, V430 Line, V440 Line, V500 Line, V510 Line, 540 Line, and Other Alkyds, Acrylics and Moisture Cured Urethanes |  |
| For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.                       |  |

### Clean Up

Clean up with warm, soapy water followed by Corotech® V703 Xylene.

### Environmental Health & Safety Information

#### WARNING!

#### May cause an allergic skin reaction

**Prevention:** Avoid breathing dust/fume/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Response:** If on skin wash with plenty of soap and water. If skin irritation or rash occurs get medical attention. Wash contaminated clothing before reuse.

**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**

**KEEP FROM FREEZING**

**FOR PROFESSIONAL USE ONLY**

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