



MOISTURE TOLERANT QUICK SET EPOXY SEALER V156

Features

- Fast set – recoat in 5 hours
- Can tolerate slightly damp masonry
- Water clean-up with low odor
- 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 45 °F (7.2 °C) or greater than 90 °F (32 °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.

Product Information

Colors — Standard: Clear (00)	Technical Data Generic Type 2-Component WB Epoxy Pigment Type N/A Volume Solids (mixed as recommended) 31% mixed Coverage per Gallon at Recommended Film Thickness 300 – 350 Sq. Ft Recommended – Wet 4.5 – 5.3 mils Film Thickness – Dry 1.4 – 1.6 mils Depending on surface texture and porosity. – To Touch 2 Hours Dry Time @ 77°F – To Recoat 5 Hours – Max: 72 Hours – To Cure* *see in Application Section *If top coat 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 240° F Viscosity @ 77°F (mixed as recommended) 85 – 90 KU Flash Point Mixed: Greater than 200° F. (TT-P-141, Method 4293) Gloss/Sheen Semi-Gloss 45 – 55 (Units @ 60°) Surface Temperature – Min. 45°F at application – Max. 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 @ 77°F Not Required Pot Life @ 77°F 1 Hour Weight Per Gallon (mixed as recommended) 8.5 lbs. Storage – Min. 45°F Temperature – Max. 95°F Volatile Organic Compounds (VOC) 94 Grams / Liter* 0.78 LBS / Gallon* * Catalyzed
— Tint Bases: Do not tint.	
— Special Colors: Contact your retailer.	
Certification: The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.82 lbs. /gal.) excluding water & exempt solvents. This product is compliant under the Ozone Transport Commission regulations as an Industrial Maintenance Coating. Suitable for Use in USDA Inspected Facilities	
Technical Assistance: Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-225-5554, or visit www.benjaminmoore.com	

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

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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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 @ 77°F (25°C)

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 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. 1/4" – 1/2" nap.

Spray: Not recommended

NOTE: Do not apply if material, substrate or ambient temperature is below 45°F (7.2 °C) or greater than 90°F (32 °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. 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 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	240° F (116 °C)
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	
V200 Line, V201, V230 Line, V231 Line, V220 Line, V300 Line, V330 Line, V340 Line, V400 Line, V410, V430 Line, V440 Line, V500 Line, V510 Line, V520 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.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

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.