



QUICK-CURE SYSTEM POLYUREA BASECOAT V530

Features

- Quick dry
- Self-leveling, high-build, high solids formula
- Tenacious adhesion to concrete
- Low VOC
- Suitable for use in USDA Inspected Facilities

Recommended For

V530 Polyurea Basecoat is part of a Quick-Cure System, which includes **V531 Polyaspartic Topcoat**. Designed for use on bare concrete – interior floor applications only. This product will amber and chalk if exposed to ultraviolet light. Recommended for use on bare concrete. V530/V531 Quick-Cure System is designed for use in industrial and factory floors, commercial and retailer spaces, garage floors, automotive shops and professional showrooms.

General Description

Corotech® V530 Quick-Cure System Polyurea Basecoat is a quick-dry, high solids, low VOC, two-component, polyurea basecoat for demanding industrial and commercial floors that require fast turnaround time. With tenacious adhesion to concrete, V530 is the ideal primer/basecoat in a Quick-Cure System, which includes Polyaspartic Topcoat V531. **This is a two-component product with a mix ratio of 2:1 (A:B) by volume. For more details on the mixing instructions, please see below section. The kit components are already premeasured to the mix ratio. No measuring required. Do not mix partial kits.**

Limitations

- The floor area should be maintained at a minimum surface and ambient air temperature of 60 °F and a maximum of 85 °F throughout the entire recommended dry time
- Not intended for use on vertical surfaces. Floor applications only
- Must be top coated with Polyaspartic Topcoat V531

Product Information

Colors — Standard:

QC Tan (53), QC Gray (73)

— Tint Bases:

N/A

Can be tinted with up to 2.0 fl. oz. of Industrial colorants per gallon for minor color adjustments

— Special Colors:

N/A

Certifications & Qualifications:

VOC compliant in all regulated areas

The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.07 lbs./gal.) excluding water & exempt solvents.

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 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data^Δ

QC Tan/QC Gray

Vehicle Type	Polyurea / Polyurethane Hybrid	
Pigment Type	Inorganic	
Volume Solids (Catalyzed)	QC Tan – 99.2%	QC Gray – 98.2%
Coverage per Gallon at Recommended Film Thickness	225 - 325 Sq. Ft.	
Recommended Film Thickness	– Wet	5-7 mils
	– Dry	5-7 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
Dry Time @ 77 °F @ 50% RH	– Tack Free	2 – 4 Hours
	– To Topcoat	2 – 8 Hours
*If topcoat is not applied within 24 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. Low humidity and cool temperatures will result in longer dry, recoat and cure times.		
Dries By	Chemical Cure	
Dry Heat Resistance	300 °F	
Viscosity @ 77 °F (mixed as recommended)	90 – 95 KU	
Flash Point	212 °F or greater (TT-P-141, Method 4293)	
Gloss / Sheen	Low Lustre	
Surface Temperature at application	– Min.	60 °F
	– Max.	85 °F
Surface must be dry and at least 5° above the dew point		
Thin With	Do Not Thin	
Clean Up Thinner	Corotech® V700 Urethane Reducer	
Mixed Ratio (by volume)	2 : 1	
Induction time @ 77 °F	None. Use immediately after mixing	
Pot Life @ 77 °F	20-30 Minutes	
Weight Per Gallon	Part A Component:	10.71 lbs.
	Part B Component:	8.50 lbs.
Storage Temperature	– Min.	40 °F
	– Max.	85 °F

Volatile Organic Compounds (VOC)

< 25.5 Grams / Liter* 0.21 Lbs. / Gallon*
* Catalyzed

Quick-Cure System Polyurea Basecoat V530

Surface Preparation

Surface to be coated must be clean, sound and dry. Freshly poured concrete must age at least thirty days before coating. All oil, grease, release agents, curing compounds, concrete hardeners, laitance and other surface contaminants must be removed before coating. Previous paint finishes need to be removed to bare concrete. To remove dirt, oil, grease and form release agents, scrub the surface with Corotech V600 Oil & Grease Emulsifier. Rinse thoroughly with clean water, per label directions. Curing compounds, concrete hardeners and previous paint finishes must be removed using mechanical methods. Pick up residue and dispose of per local, state and federal requirements. Abrade or shot blast the surface until curing compound, hardener or paint is completely removed. Vacuum dust before proceeding. When properly prepared, the bare concrete surface should resemble the texture of medium grade sandpaper (80 grit). Whenever mechanical abrasion or shot blasting methods of surface preparation are utilized, 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 of the coatings.

After the concrete floor has been prepared and allowed to dry (measuring 5% or less). *A valid test method would be a calcium chloride test; F1869-16A.* Apply one coat of V530 Polyurea Basecoat at 225-325 sq. ft. per gallon (5-7 mils) following label instructions. Do not allow to puddle. Allow at least 2 hours, but not more than 24 hours dry time before applying the V531 Polyaspartic Topcoat. If more than 24 hours have elapsed, mechanically abrade the dry film before topcoating.

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 Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application

Mixing Instructions:

This is a two component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions.

1. Agitate component "A" & "B" separately.
2. Carefully empty the entire contents of V530-90 activator (Part B) into the pail of V530-Part A component resin; make sure all liquid of Part B has been added to Part A. Part A container is oversized to completely accept entire contents of Part B material.
3. Using a jiffy mixer at low speed, blend this mixture for two to three 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.
4. Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating.
5. No induction time – use immediately after mixing.

It is extremely important to remember that V530 Polyurea Basecoat has 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: 20-30 Minutes @ 77 °F

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

Component A mixed with Component B – pour the entire mixed contents of a kit in a bead of material in the form of a continuous ribbon onto the surface to be coated. The mixed material should not be left in the container because it will drastically shorten the pot life.

SQUEEGEE APPLICATION: Using a notched 5-7 ML blade squeegee, spread the ribbon of poured material by squeegee – pushing the material away from the applicator - at a rate not to exceed 325 square feet per gallon. Apply as evenly as possible working from left to right (or right to left) then back again. Wear spiked shoes to maneuver through wet material. Do not mix less than full batch/container quantities.

Using a quality phenolic core cover, between 1/4" – 3/8" nap size, as the material is spread using a squeegee, follow by gently back-rolling the applied material to achieve an even finish and uniform film-build. Avoid overworking material; allow product to flow out and self level. **Back-rolling should be done at a 90° angle to the squeegee application.**

The floor area should be maintained at a minimum surface and ambient air temperature of 60 °F and a maximum of 85 °F throughout the entire recommended dry time. Do not apply if surface temperature is within 5 degrees of dew-point or if condensation or fog is expected before the product is fully dry. **Not intended for use on vertical surfaces.**

DRYING TIME: Dries tack free in 2-4 hours. Minimum recoat time is 2 hours. However, V530 may require additional time to fully dry in lower temperatures and/or lower humidity before applying the V531 Polyaspartic Topcoat. This dry time is based on 77 °F and 50% relative humidity.

IMPORTANT NOTES: V530 Polyurea Basecoat will chalk and fade if applied on exterior surfaces subjected to direct sunlight. Must be top coated with V531 Polyaspartic Topcoat.

Clean Up

Clean up with Corotech® V700 Urethane Reducer

Environmental Health & Safety Information

DANGER!

Harmful if inhaled

Causes skin irritation

Causes serious eye irritation

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

Suspected of causing cancer

May cause respiratory irritation

May cause damage to organs through prolonged or repeated exposure

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned get medical attention. If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention. If on skin wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs get medical attention. If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

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, use the appropriate anti-slip aggregate.



WARNING Cancer and Reproductive Harm–

www.P65warnings.ca.gov

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.**