



QUICK-CURE SYSTEM POLYASPARTIC TOPCOAT V531

Features

- Fast cure - next day turnaround
- Self-leveling, high-build, high-solids formula
- Outstanding durability
- Low VOC
- Suitable for use in USDA Inspected Facilities

Recommended For

V531 Polyaspartic Topcoat is part of a Quick-Cure System, which includes **V530 Polyurea Basecoat**. 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® V531 Quick-Cure System Polyaspartic Topcoat is a fast-cure, high-solids, two-component, polyaspartic resin floor coating – designed as a topcoat of the Quick-Cure System. With fast 24 hours full return to service, this product can be used on interior/exterior floor surfaces. The highly cross-linked formula provides superior abrasion, chemical, and solvent resistance. V531 Polyaspartic Topcoat is recommended to be used with V530 Polyurea Basecoat as a complete floor coating system. **This is a two-component product with a mix ratio of 1:1 (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 65 °F and a maximum of 85 °F throughout the entire recommended dry time
- Not intended for use on vertical surfaces

Product Information

<p>Colors — Standard: Clear (00)</p> <p>— Tint Bases: Do Not Tint</p> <p>— Special Colors: N/A</p> <p>Certifications & Qualifications: VOC compliant in all regulated areas</p> <p>The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.83 lbs/gal.) excluding water & exempt solvents.</p> <p>Suitable for use in USDA Inspected Facilities</p> <p>Technical Assistance: Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 866-708-9180, or visit www.benjaminmoore.com</p>	<p>Technical Data ◊ Clear</p> <table border="1"> <tr> <td>Vehicle Type</td> <td colspan="2">Polyaspartic</td> </tr> <tr> <td>Pigment Type</td> <td colspan="2">None</td> </tr> <tr> <td>Volume Solids</td> <td colspan="2">83 ± 2%</td> </tr> <tr> <td>Coverage per Gallon at</td> <td colspan="2">200-275 Sq. Ft. (solid color)</td> </tr> <tr> <td>Recommended Film Thickness</td> <td colspan="2">160-200 Sq. Ft. 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◊ Reported values are for Clear. Contact retailer for values of other bases or colors.

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Surface Preparation

Surface to be coated must be clean, sound and dry. 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. Recommended to be applied over V530 Polyurea Basecoat

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 product that requires the mixing of an "A" component resin and a "B" component catalyst. The proper mix ratio [A:B] is 1:1 by volume. The gallon sized container of part B catalyst is used only with 2 gallon sized part A's. All part A's and B's are pre-portioned for easy use - add the B to the A in the proper sizes listed above.

Do not thin this product - it is ready to use once both components are thoroughly mixed. No induction time is necessary. It is extremely important to remember that V531 Polyaspartic Topcoat 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: 30 Minutes @ 77 °F

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 V531-90 activator (Part B) into the pail of V531-00 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.

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: When using a smooth or notched blade squeegee spread the ribbon of poured material by squeegee – pushing the material away from the applicator - at a rate not to exceed 275 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.

ROLLER APPLICATION: Using a quality phenolic core cover, between 3/8" and 1/2" 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 1-2 hours. Minimum recoat time is 1 hour. Full cure in 24 hours. If additional coat is needed, it can be applied within 24 hours. This dry time is based on 77 °F and 50% relative humidity. Lower temperature and/or lower humidity will result in longer dry times. If re-coat is not applied within 24 hours abrade the surface to ensure proper inter-coat adhesion.

IMPORTANT NOTES: May stain with prolonged exposure to brake fluid and some other solvents, or in a kennel if exposed to animal urine or waste. This staining will not affect the durability or protective qualities of the coating.

All floor coatings may become slippery when wet. Where non-skid characteristics are desired, hand broadcast an appropriate anti-slip aggregate into the wet film then back-roll to encapsulate.

Clean Up: Clean up with Corotech® V700 Urethane Reducer

TEST DATA	
Steam Resistance	Yes
Dry Heat Resistance	300 °F
Wet Heat Resistance	140 °F
Adhesion (ASTM D3359)	Pass 5B
Accelerated Weathering (ASTM G53)	500 hours, <2% change
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1000g load	0.022 g loss after 1000 cycles

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Excellent
Acids	Good
Alkalis	Good
Solvents	Good
Fuel	Good
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Excellent
Neutral Salt Solutions	Excellent

SYSTEMS RECOMMENDATIONS	
PRIMERS	
Concrete	V530, V155, V156
Aged coatings	Use Direct (Abrade as necessary)
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.	

Environmental Health & Safety Information

DANGER!

Harmful if inhaled

Causes serious eye irritation

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

May cause respiratory irritation. May cause drowsiness or dizziness

Highly flammable liquid and vapor

Prevention: Avoid breathing dust/fume/mist/vapors/spray. 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. 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. Wear protective gloves/protective clothing/eye protection/face protection. Keep cool.

Response: 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 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. 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. In case of fire use CO2, dry chemical, or foam for extinction.

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

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 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.**