



## VAPOR BLOCK EPOXY

**DESCRIPTION:** Proline's Vapor Block Epoxy is a low viscosity, modified Bisphenol A and modified polyaminoamide adduct liquid epoxy resin and hardener with excellent adhesion, flexibility, impact and chemical resistance. Vapor Block Epoxy is available in two versions according to the temperature conditions. Like most epoxies, it cures faster in warmer temperatures. It will also bond to dry, damp or wet concrete. Because of its superior bonding abilities, it has excellent resistance to moisture vapor from below a concrete substrate.

**TYPICAL USES:** Floor coatings, Marine coatings, Maintenance coatings. Vapor Block Epoxy makes an excellent primer before applying a blended chip system or any epoxy or urethane flooring application. It is also used as a primer for color quartz systems and can be used as a moisture preventative primer prior to applying polymer concrete applications. When used as a moisture primer under polymer concrete it will be necessary to broadcast #16 grit silica sand or Monterey sand into the Vapor Block Epoxy to complete refusal, so no epoxy is showing through. When dry, the loose sand can be swept and blown off or vacuumed before applying polymer concrete.

### FEATURES & BENEFITS:

- Excellent chemical resistance
- Low Viscosity
- Nice Gloss Appearance
- Cures in the presence of moisture and humidity
- FDA Sanctioned (CFR175.300)
- Excellent Adhesion

### CHEMICAL PROPERTIES: Result

Viscosity, cps 525 - 675  
Solids by Volume/Weight 100%  
Volatile Organic Compounds 0 lbs/gal  
Mix Ratio, parts per volume 2A : 1B  
Pot Life, minutes 15 - 30  
Recoat, max 12 - 24 hrs  
Dry to Touch @ 70°F (21°C) 12 hrs  
Walk on Time (light foot traffic) 24 hrs  
Return to Service Time (vehicle traffic) 3 days  
Full Cure 7 days  
Coverage Rate per Gallon 150 - 300 sq ft  
Recommended Application Temperature 50° - 77°F (10° - 25°C)  
Odor low  
Flash Point, closed cup 340°F (170°C)  
Color, Gardner 1 max  
Color Clear  
Shelf Life -unopened containers 12 months

**MOISTURE VAPOR TESTING:** All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations. Proline Decorative Concrete Systems does not warranty against moisture problem failures.



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**SURFACE PREPARATION:** The surface to be sealed or coated should be thoroughly clean; free of any contaminants such as oil, grease or incompatible coating materials. Shot blasting or power scrubbing with detergent, acid washing, neutralizing and pressure washing are common surface preparation methods.

**MIXING INSTRUCTIONS:** The mixing ratio for Vapor Block Epoxy is 2 parts A to 1 part B. Mix thoroughly for 3 minutes using a drill motor with mixing paddle or for small quantities (1 1/2 gal) a stir stick can be used. Scrape the sides and bottom of the container while mixing. Immediately pour the entire bucket in a thin row on the floor and begin spreading. If it sits in the bucket too long, it may set up prematurely. Mix only the amount of material that can be used in a 15 – 20 minute time period.

**APPLICATION INSTRUCTIONS:** Spread Vapor Block Epoxy thin using a rubber squeegee followed by a 1/4" nap paint roller to even out any squeegee marks or uneven areas. It is best to re-coat within 12 – 24 hours.

**NOT RECOMMENDED FOR:** Do not apply to concrete less than 28 days old.

**SUBSTRATES:** Concrete

**COLOR OPTIONS:** Clear

**HOW SUPPLIED:** Vapor Block Epoxy is packaged in 1.5 gallon and 3 gallon kits.

**SLIP/FALL PRECAUTIONS:** Proline Decorative Concrete Systems recommends using slip resistant granules in all outdoor applications where the epoxies and urethanes will be used as a topcoat sealer and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules # 80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Proline or its sales people will not be responsible for injury incurred in a slip/fall accident.

**SAFETY PRECAUTIONS: Health Considerations: Consult Proline's Safety Data Sheets**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Proline product SDS and Safety Manual for detailed information and handling guidelines.

**For Your Protection:** The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Proline. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Proline will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, **Proline Decorative Concrete Systems makes no warranty of any kind, expressor implied**, other than that the material conforms to its applicable current Standard Specifications. Proline hereby disclaims any and all other warranties, including but not limited to those of merchant ability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Proline for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.