



Basic-Crete Urethanes – Epoxies – M.M.A.s

PRODUCT DATA SHEET

1704 E. Bullard Avenue
Fresno, CA 93710

Tel: 877-225-2549 • Fax: 559-225-4606 • Internet: www.basicpolymers.com

Water Base Epoxy 3500

DESCRIPTION

BASIC WATER BASE EPOXY 3500 is a two component water-based epoxy with excellent adhesion and rapid cure times. Its unique chemistry provides short recoat times and good low temperature curing. This material has little odor, applies easily and adheres to damp concrete.

COLORS

BASIC WATER BASE EPOXY 3500 comes in 9 standard colors, plus clear.

SURFACE PREPARATION

Concrete must be cured 30 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Surface may be damp, but standing water should be removed. Concrete should be shot blasted acid etched or diamond ground to achieve a minimum 5 mil profile. **If acid etched, use of a floor machine with a nylogrit brush is required. Etched surface must be neutralized with ammonia and water or APF Super Base Neutralizer and water.** Carefully follow the guidelines listed in the Arizona Polymer Flooring Surface Preparation Manual. If surface is prepared by diamond grinding, grind thoroughly to “open up” the surface. Vacuum concrete dust and rinse surface well. Previously coated surfaces must be mechanically cleaned and abraded with 80-100 grit sandpaper or sanding screen. If applied over acid stains, surface must be properly neutralized with APF Super Base Neutralizer or ammonia.

IMPORTANT NOTE - WARRANTY

Basic Polymers™ products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

HANDLING PRECAUTIONS

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. Read MSDS before using.

APPLICATION RECOMENDATIONS

WATER BASE EPOXY 3500 is normally applied 200-300 sq. ft. per gallon by brush, roller or airless spray. If trapped air in the substrate creates bubbles, continued rolling will cause them to disappear.

PACKAGING

Material is packaged in premeasured kits only and is available in ¾ gallon, 1-1/2 gallon and 3 gallon units.

STORAGE CONDITIONS

Refer to BASIC POLYMERS™ manual.

MIXING INSTRUCTIONS

Mix only that amount of material that can be used in a 4-6 hour period. In very hot weather it is advisable to mix smaller batches to ensure good flow and workability. Premix both parts A and B before combining. Combining ratio is 2 parts A to 1 part B. Proportion the amounts carefully and mix for 2 full minutes using slow speed drill, scraping the bottom and sides of the mixing vessel. When using as a primer over concrete, reduce the material 15-20% with water (1 quart water to 1 ½ gallons of mixed material) to aid penetration. Subsequent coats may be applied without thinning.

LIFE EXPECTANCY

7-10 years., dependent on thickness and subject to correct maintenance regime. Basic Crete Mortar is not color fast and may change color over time (exhibits a yellowing effect). Color change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in light colors and blues but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavored to adopt colors within our standard range which minimize this change.

"Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product."

MOISTURE VAPOR EMISSIONS/ ALKALINITY PRECAUTIONS

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Basic Polymers™ is not responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

PHYSICAL PROPERTIES

Mixing Ratio	2-1
Solids Content (Pigmented), by weight	54%
Solids Content (Pigmented), by volume	46%
Pot Life, (77 ° F)	4-6 hours
Cure times (77 ° F)	
Dry to touch	30-60 minutes
Recoat	30-90 minutes
VOC	50 grams/ liter

PERFORMANCE PROPERTIES

Gloss (60 degrees)	85-90
Pencil Hardness (ASTM D-3363)	2H
Adhesion to damp concrete (ASTM D-451)	Concrete fails before loss of bond
Impact Resistance (ASTM D-2794)	Passes 120 inch-pound direct impact