



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

PRODUCT DATA SHEET

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ARMOR GLAZE 5000

DESCRIPTION

ARMOR GLAZE 5000 is a high solids, two component, water-based aliphatic polyurethane. This unique material provides performance properties equal to conventional solvent-based catalyzed urethanes without the associated health and environmental problems. ARMOR GLAZE 5000 meets the 50 grams per liter California VOC limits. It offers substantial performance improvements over first generation catalyzed water-based polyurethanes, including higher film build capabilities, improved chemical resistance and resistance to hot tire staining.

COLORS

ARMOR GLAZE 5000 comes in 9 standard colors plus clear.

SURFACE PREPARATION

Surface must be clean, structurally sound and free of chalk, wax, loose paint or curing compounds. Application over concrete requires the use of a primer. Previously coated surfaces must be mechanically cleaned and abraded with 100 grit sandpaper or sanding screen to insure intercoat adhesion.

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.

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.

APPLICATION RECOMENDATIONS

ARMOR GLAZE 5000 should be applied 200-350 sq. ft. per gallon by brush, roller or airless spray. Do not allow to puddle or accumulate in joint areas. Applications heavier than 200 sq. ft. per gallon will create bubbles in the cured coating. If multiple coats are required, and the material has cured for more than 24 hours, degloss with a black janitorial pad or fine sanding screen.

STORAGE CONDITIONS

Refer to BASIC POLYMERS™ manual.

MIXING INSTRUCTIONS

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.

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. These test kits are available from APF. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

PACKAGING

Material is packaged in premeasured kits only and is available in 3/4 gallon, 1-1/2 gallon and 3 gallon units.

"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."

PHYSICAL PROPERTIES

Mixing Ratio, by Volume	2-1
Solids Content, By Weight (Pigmented)	66.0%
Solids Content, by Weight (Clear)	53%
V.O.C.	50 grams/liter
Pot Life, (77 ° F, 1 quart mass)	3 hours
Pot Life, (95 ° F, 1 quart mass)	50 minutes
Pot life reduced by increasing temperature or mass	
Dry times (77 ° F, 30% R.H.)	
Dry to touch	6 hours
Recoat	12 hours
Light Traffic	18 hours
Full Chemical Resistance	7 days
PERFORMANCE PROPERTIES	
Gloss (60 ° F Clear Material)	90
Pendulum Hardness (ASTM D-4336)	175
Tabor Abrasion (1000gm, load 1000 cycles, CS 17 wheel)	39 mg, loss

CHEMICAL AND STAIN RESISTANCE

Whiskey	No effect
Blood	No effect
Urine	No effect
Gasoline	No effect
Betadine	No effect
Black Ink	No effect
Brake Fluid	No effect
Gasoline	No effect
10% Sulphuric Acid	No effect
10% Hydrochloric Acid	No effect
10% Acetic Acid	No effect
Skydrol	No effect
50% Sodium Hydroxide	No effect
Xylene	No effect
MEK	No effect