The Right Product for the Right Job Since 1980

HIGH PERFORMANCE EPOXY COATING

Pigmented Polyamide Epoxy for Painting

Abrasion Resistant and Chemical Resistant Pigmented Epoxy

Epoxy.com Product #2001

PRODUCT DESCRIPTION

Product #2001 Pigmented Polyamide Epoxy Coating is a two component solvent based epoxy coating that exhibits excellent characteristics for abrasion resistance, chemical resistance, and substrate penetration. This product is suitable as a primer for high build coatings and urethane or as a stand alone coating.

RECOMMENDED USES

Product #2001 Pigmented Polyamide Epoxy Coating is recommended priming or coating concrete, wood or steel. This product can withstand exposure to many common solvents and chemicals.

PRIMER

None required

TOPCOAT

Optional- Many products are suitable as topcoats over **Product #2001 Pigmented Polyamide Epoxy Coating** including multiple coats of this product.

LIMITATIONS

Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, UV exposure or lighting such as sodium vapor lights.
- Product is not UV color stable
- For best results use a 3/8” nap roller
- Slab on grade requires moisture barrier
- Substrate temperature must be 5°F above dew point
- All new concrete must be cured for at least 30 days
- Product color will vary from batch to batch
- Physical properties are typical and not specifications
- Light or bright colors (white, safety yellow, etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate.

MIXING AND APPLICATION INSTRUCTIONS

PRODUCT STORAGE

Store **Product #2001 Pigmented Polyamide Epoxy Coating** in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60° and 90°F.

SURFACE PREPARATION

Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

A test should be made to determine that the concrete is dry; this can be done by placing a 4’ X 4’ plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause bond failure.

See **Surface Preparation Procedures** for more information.

PRODUCT MIXING

Product #2001 Pigmented Polyamide Epoxy Coating has a one to one mix ratio by volume- merely mix equal volumes such as 1 gallon of part A to 1 gallon of part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. If temperatures are below 55°F, let the material induct for ten minutes to help reduce the possibility of developing an epoxy blush.

PRODUCT APPLICATION

The mixed **Product #2001 Pigmented Polyamide Epoxy Coating**can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. When using product without a topcoat, it is best to use the same batch of material for an entire job to prevent color or gloss differences.

RECOAT OR TOPCOATING

If you opt to recoat or topcoat **Product #2001 Pigmented Polyamide Epoxy Coating**, you must first be sure that all of the solvents have evaporated from the coating during the curing process. The information on the front side are reliable guidelines to follow. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started.

Always remember that colder temperatures will require more cure time for **Product #2001 Pigmented Polyamide Epoxy Coating** before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush.

Many epoxy overlays and coatings as well as urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product.

CLEANUP

Use xylene

FLOOR CLEANING

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

Physical Properties

SOLIDS BY WEIGHT	Mixed= 65% (+, - 2%)
SOLIDS BY VOLUME	Mixed= 52% (+, - 2%)
VOLATILE ORGANIC CONTENT	Part A= 3.43 pounds per gallon Part B= 3.75 pounds per gallon VOC mixed < 427 g/l
STANDARD COLORS	White, off white, light gray, medium gray, tile red, and beige
RECOMMENDED FILM THICKNESS	5-6 mils per coat wet thickness (yields 3 mils dry)
COVERAGE PER GALLON	267 to 320 square feet @ 5-6 mils wet thickness
PACKAGING,	2 gallon and 10 gallon kits (volume approx.)
WEIGHT 2 gal kit	1 gallon part A (8.5#/gal) (weights approximate) and 1 gal. part B (11.0#/gal) (weights approximate)
MIX RATIO BY WEIGHT	8.5 Parts A to 11 parts B
MIX RATIO BY VOLUME	1 part A to 1 part B
IMPACT RESISTANCE	Gardner Impact, direct= 50 in. lb. (passed)
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 30.2 mg loss
FLEXIBILITY	No cracks on a 1/8” mandrel
ADHESION	375 psi @ elcometer (concrete failure, no delamination)
FINISH CHARACTERISTICS	Satin gloss (30-60 at 60 degrees @ glossmeter)
SHELF LIFE	1 year
VISCOSITY	Mixed = 300-500 cps (typical)
DOT CLASSIFICATION Part A	“FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII”
DOT CLASSIFICATION Part B	“FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII”

CURE SCHEDULE

(70°F) pot life – 2 gallons volume	3-5 hours
tack free (dry to touch)	2-4 hours
recoat or topcoat	4-6 hours
light foot traffic	16-24 hours

full cure (heavy traffic)	2-7 days
application temperature	40-90° F

CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	A
xylene	B
mek	A
gasoline	B
10% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric	C
10% hydrochloric acid	C

Rating key:
A - not recommended
B - 2 hour term splash spill
C - 8 hour term splash spill,
D - 72 hour immersion,
E - long term immersion.
NOTE: Get chemical resistance information through Epoxy.com.

NOTICE TO BUYER

DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect.

Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.

Proper mixing and installation is critical to the optimal success of all product. See Installation Tips, Techdata, & MSDS for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

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