High Performance 100% Solids Epoxy

2 Component – 2 Part A to 1 Part B

TECHNICAL DATA SHEET

Clear, Ultra Hide White, Black, & other custom colors available!!
Call for Details (407) 230-4482

PRODUCT DESCRIPTION:

1 Metallic/Marbling Base **2 Clear Coat Over Chips/Flakes or Sand** **3 Clear Build Coat**

4 Pigmented Build Coat **5 Pigmented Chip/Flake Coat** **6 Clear Over Logo/Stickers**

100% HIGH PERFORMANCE CLEAR EPOXY is a two component, 100% solids epoxy seal coat that can be used either as a coating or filled with paint chips, marble chips or colored sand mixtures to provide an infinite array of color schemes or patterns. It offers high gloss & protection against cleaners, oils, fuels, solvents, and water.

Recommended Area(s):

●Food Manufacturing ●Garage Floors ●Restrooms ●Hallways ●Clean Rooms
●Auto Showrooms ●Kennels ●Basements ●Loading Docks ●Medical Facilities

Recommended for virtually any flooring area where either a high build clear product is needed or where a decorative filled floor is desired.

Product Data

Mix Ratio: 2 Parts A to 1 Part B **Solids: by weight-100% | by volume-100%**

Coverage: Metallic/Marbling- 75 to 100 SF Per Gallon | Over Chips 150 to 200 SF | Clear Build Coat 90 to 100 SF

Application Temperature: 55 to 90° F **Pot Life: 20 to 30 Minutes @70°F (1-1/2 gallon volume)**

Dry to Touch: 6 to 8 hours @ 70°F **Full Cure (normal traffic): 2 to 7 days @ 70°F**

Advantages of our High Performance Epoxy

- Superior Compressive Strength
- Minimal Odor
- Good Color Stability
- Excellent Gloss
- Superior Build Capabilities
- Great Flowability
- Multiple Uses

Physical Properties

Property	Value	Reference
Compressive Strength	11,200 psi	ASTM D695
Flexural Strength	7,400 psi	ASTM D790
Tensile Strength	7,600 psi	ASTM D638
Bond to Concrete	350 psi	elcometer (concrete failure, no delamination)
Taber Abrasion	36 mg loss	CS-17, 1000 gram load, 500 cycles
Hardness, Shore D	81	NA

www.EpoxyNation.com

MADE IN USA

Kit Packaging Sizes Available:

1 Quart Kit | 1.5 Gallon Kit | 3 Gallon Kit | 15 Gallon Kit
(all kits come with the proper Part A to Part B Ratio)

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MIXING AND APPLICATION INSTRUCTIONS (HIGH PERFORMANCE EPOXY)

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Low temperatures or temperature fluctuations may cause crystallization.

2) SURFACE PREPARATION: New Concrete Surfaces should be allowed to cure for a minimum of 28 days prior to coatings. The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil 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'X4' 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 disbanding.

3) PRODUCT MIXING: This product has a mix ratio of 9.0# part A to 4.15# part B. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. 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. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.

4) PRIMING: A suitable primer should be used before applying this product in most cases. Assure a proper profile Metallics/Marbling usually require a primer & 100% pigmented coat

5) PRODUCT APPLICATION: The mixed material can be applied by brush or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating. This product can be used with various colored sand in a broadcast system or other suitable aggregate can be used in conjunction with this product to achieve a variety of color and application patterns. When using as a broadcast binder, always evaluate performance parameters with a test area which is dependent on aggregate size and thickness, prior to application. Contact your representative for details as necessary.

6) RECOAT OR TOPCOATING: If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. Always remember that colder temperatures will require more cure time for the product before recoating or top coating can commence. Before recoating or top coating, 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 top coating or recoating. Many epoxy coatings and urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product.

7) CLEANUP: Use xylol.

8) FLOOR CLEANING: Caution! Some cleaners may affect the color. Test each cleaner in a small area. If no ill effects are noted, you can continue to clean with the product and process tested.

8) 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.

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. **KEEP OUT OF REACH OF CHILDREN**