



# Primer Plus High Build Epoxy

2 Component – 2 Part A to 1 Part B

# TECHNICAL DATA SHEET



Ultra-Hide White, Black, & other custom colors available!!

Call for Details (407) 230-4482

## PRODUCT DESCRIPTION:

- ① Primer for all epoxy systems
- ② Use for a durable base coat, top w/ pigmented urathane for a durable inexpensive floor
- ③ Designed for more blemished floors to get build in your first coat

Primer Plus High Build Epoxy is a two component, 93% solids epoxy seal coat that is a colored solvent-based formulation to be used as a primer or main epoxy coating that can also be broadcasted in.

### 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 colored high build primer or medium build epoxy coating. Great to use as a primer for metallic/marbling epoxy systems!

## Product Data

Mix Ratio: 2 Parts A to 1 Part B Solids: by weight - 93% | by volume - 85%

Coverage: 140 to 260 SF Per Gallon

Application Temperature: 60 to 90° F Pot Life: 33 to 55 Minutes @70°F (1 ½ - gallon volume)

Dry to Touch: 6 to 9 hours @ 70°F Full Cure (normal traffic): 2 to 7 days @ 70°F

### Advantages of our Primer Plus High Build Epoxy

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

### *Physical Properties*

Property	Value	Reference
Compressive Strength	8,300 psi	ASTM D695
Flexural Strength	8,200 psi	ASTM D790
Tensile Strength	6,800 psi	ASTM D638
Bond to Concrete	430 psi	elcometer (concrete failure, no delamination)
Taber Abrasion	45 mg loss	CS-17, 1000 gram load, 500 cycles
Hardness, Shore D	80	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)

**HAVE QUESTIONS ON PRICING, TECHNICAL DATA, SALES, OR ANYTHING AT ALL, CALL BEFORE YOU TAKE ACTION! (407) 230-4482 | WWW.EPOXYNATION.COM**

**MIXING AND APPLICATION INSTRUCTIONS (PRIMER PLUS HIGH BUILD 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 2 part A to 1 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:** No primer is required for this product on most surfaces, however, if the surface is very porous, a primer with a lower percentage of solids is recommended (Primer Plus).
- 5) PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. 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.
- 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. NO 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**