DC160 Flexible Epoxy Primer

PRIMER

PRODUCT DESCRIPTION:
EPIC DC160 is a specially formulated flexible epoxy primer designed for use in areas where substrate conditions require a flexible membrane. This product effectively fills and bridges cracks and minor voids in concrete, existing ceramic tile and other challenging substrates. Available in clear coat or factory blended colors. **Exhibits low to no odor.**

SOLIDS BY WEIGHT: 100% (+/- 1%)
SOLIDS BY VOLUME: 100% (+/- 1%)
VOLATILE ORGANIC CONTENT: zero pounds per gallon
COLORS AVAILABLE: Clear (gardner 3-4), standard colors
RECOMMENDED THICKNESS: 10-50 mils
COVERAGE PER GAL: 32-160 square feet per gallon @ 10-50 mils
PACKAGING INFORMATION: 2 gallon kit (volume approximate)
10 gallon kits (volume approximate)
MIX RATIO: 1 part A to 1 part B by liquid volume
SHELF LIFE: 1 year in unopened containers
ABRASION RESISTANCE: Taber abraser CS-10 callibrase wheel with 1000 gram total load and 500 cycles= 6 mg loss.
VISCOSITY: Mixed= 1,000-1,700 cps (typical)
DOT CLASSIFICATIONS: Part A "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"
FLEXURAL STRENGTH: 2,600 psi @ ASTM D790
COMPRESSIVE STRENGTH: 4,100 psi @ ASTM D695
TENSILE STRENGTH: 2,450 psi @ ASTM D638
ULTIMATE ELONGATION: 60%
GARDNER VARIABLE IMPACTOR: 160 inch pounds direct-passed
ADHESION: 450 psi @ elcometer (concrete failure, no delamination)
HARDNESS: Shore D= 58
PRIMER:
None required
TOPCOAT:
Optional – Many products are suitable as topcoats including multiple coats of this product. For added chemical resistance, color stability, or UV stability, topcoat with a suitable aliphatic urethane.

CURE SCHEDULE: (70°)	
Pot Life (1 Gallon)	15-25 minutes
Tack Free (Dry to Touch)	5-8 hours
Recoat or Topcoat	8-12 hours
Light Foot Traffic	12-24 hours
Full Cure (Heavy Traffic)	2-7 days

CHEMICAL RESISTANCE	
acetic acid 5%	A
xylene	A
Methanol	A
Skydrol	A
10% sodium hydroxide	D
10% sulfuric	C
10% hydrochloric acid	C
50% Sodium Hydroxide	D

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: extensive chemical resistance information is available through your sales representative.

MIXING AND APPLICATION INSTRUCTIONS (DC160)

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.

SURFACE PREPARATION: Properly prepare substrate by means of shot blast, grinding or other mechanical means to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil, etc. 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.

PRODUCT MIXING: Standard packages are in pre-measured kits (Part A + Part B) and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable measuring equipment is used. 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.

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. Once applied, DC160 is designed to receive a broadcast aggregate, such as broadcast grade sand or similar. Aggregate should be broadcast into the Epic DC160 while it is still wet and open. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing cause air entrapment, then an air release roller tool should be used prior to setting up of coating, in order to remove air bubbles. When material has cured, excess aggregate should be removed from the surface.

RECOAT OR TOPCOATING: We recommend a suitable topcoat be applied only after broadcasting suitable aggregate into the basecoat. If you recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. Colder temperatures will require more cure time for the product before recoating or topcoating can commence. Many Epic epoxy coatings and urethanes are suitable for use as a topcoat. Leveling cement can also be applied over this system, as it provides a strong bond with the cement.

CLEANUP: Use xylol

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

Considerations:

- It is recommended that a broadcast application be performed with a subsequent topcoat system.
- This product is not intended as the final surface and should be topcoated with a suitable product.
- This product is not suitable in all chemical environments.
- When chemical exposure is imminent, a test should be performed to test suitability.
- Substrate temperature must be 5°F above the dew point.
- All new concrete must be cured for at least 30 days prior to application.
- Applications with relative humidity above 85% or early water contamination may cause white discolorations to develop.

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.