



DC140 Epoxy Primer

PRIMER

PRODUCT DESCRIPTION:

EPIC DC140 is designed for use on substrates where cement leveling compounds will be applied and greater adhesion is required. Excellent for use where self leveling cement will be applied to non-suction substrates such as burnished concrete, resinous coatings, metal, etc.. Provides superior bond when compared with regular all purpose acrylic primers. Designed to be combined with sand broadcast. Exhibits low to no odor.

CHEMICAL RESISTANCE	
Xylene	B
1, 1, 1, Trichloroethane	B
MEK	A
Methanol	A
Ethyl Alcohol	B
Skydrol	B
50% Sodium Hydroxide	D
10% Sodium Hydroxide	D
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HCl (aq)	B
5% Acetic Acid	B
Butanol	B
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.	

CURE SCHEDULE (70 Degrees F)	
Pot Life (1 Gallon Volume)	17-27 Minutes
Tack Free (Dry to Touch)	5-7 Hours
Recoat or Topcoat	8-12 Hours
Light Foot Traffic	14-16 Hours
Full Cure	2-7 Days
Application Temperature: 60-90 degrees F	

SOLIDS BY WEIGHT:

96.5%

SOLIDS BY VOLUME:

96%

VOLATILE ORGANIC CONTENT:

Less than 36 g/l

STANDARD COLORS:

Clear – gardner color 1-2

RECOMMENDED FILM THICKNESS:

12-18 mils

COVERAGE PER GALLON:

90-133 square feet per gallon @ 12-18 mils

PACKAGING INFORMATION

2 gallon kits (17.25 pounds net)

10 gallon kits (86.25 pounds net)

MIX RATIO:

1 part A to 1 part B

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

Gloss (>70 90 @ 60 degrees @ glossmeter)

ABRASION RESISTANCE:

Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 22 mg loss

FLEXURAL STRENGTH:

9,300 psi @ ASTM D790

COMPRESSIVE STRENGTH:

10,100 psi @ ASTM D695

ADHESION:

350 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed = 800-2000 cps (typical)

DOT CLASSIFICATIONS:

Part A “not regulated”

Part B “CORROSIVE LIQUID N.O.S., 8, UN11760, PGIII”

TENSILE STRENGTH:

5,200 psi @ ASTM D638

ULTIMATE ELONGATION:

4.2%

GARDNER VARIABLE IMPACTOR:

50 inch pounds direct – passed

HARDNESS:

Shore D = 73

MIXING AND APPLICATION INSTRUCTIONS: DC140 Epoxy Primer

SURFACE PREPARATION: Remove all dirt, foreign contaminants, oil and other contaminants or potential bond-breakers from substrate by mechanical means such as shot-blasting or grinding. Test substrate to determine moisture content. If moisture levels are above 75% RH according to ASTM F 2170 or above 3 lbs per 1,000 sq ft per ASTM F 1869, a suitable moisture barrier must first be installed.

PRODUCT MIXING: This product has a mix ratio of 1 part A to 1 part B by liquid volume. Standard packages are in pre-measured kits. Combine part A with part B and 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 and remix. Improper mixing may result in product failure.

PRODUCT APPLICATION: The mixed material can be applied by brush, roller, or notched 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. Sand aggregate (40-60 grit silica sand) should be broadcast to refusal into wet coating after application to substrate. After coating has hardened (roughly 8-12 hours), remove excess and loose sand by sweeping and vacuuming. Surface should then be ready for application of subsequent products such as cements or other Epic coatings.

CLEANUP: Use xylol

Considerations

- Substrate temperature must be 5°F above the dew point.
- For best results, apply with a ¼" nap roller.
- All new concrete must be cured for at least 30 days prior to application.

PRODUCT STORAGE: Store product at normal room temperature before using. Continuous storage should be between 60 and 90° F. Low temperatures or temperature fluctuations may cause crystallization.

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.**