



DC392 Epoxy Mortar Surfacer / Repair

Prepare / Repair

PRODUCT DESCRIPTION:

EPIC DC392 Epoxy Mortar Surfacer/Repair is designed for repair of spalled and damaged concrete and for applications where excellent wear characteristics and strength are required. Recommended for heavy traffic areas, forklift traffic, mechanical rooms, manufacturing and production facilities.

SOLIDS BY WEIGHT: 100%

SOLIDS BY VOLUME: 100%

VOLATILE ORGANIC CONTENT: Less than 3.5 g/L

STANDARD COLORS: Natural, light gray, dark gray, red

RECOMMENDED THICKNESS: 1/8" to 1/4"

PACKAGING: Each kit contains 4 components; 1 gallon Part A Resin + 1 quart Part B Activator + 50 lb. bag Part C Aggregate +Color Pigment.

COVERAGE: 21 sq. ft. @ 1/4" thickness and 42 sq. ft. @ 1/8" thickness per kit. One kit with all components blended together, makes .45 cubic feet of mortar.

SHELF LIFE: 2 years in unopened packaging stored at normal room temperature.

COMPRESSIVE STRENGTH: 11,150 psi (ASTM D695)

TENSILE STRENGTH: : 6,800 psi @ ASTM D638

FLEXURAL STRENGTH: 15,150 psi @ ASTM D790

IMPACT RESISTANCE: Excellent

ABRASION RESISTANCE: Excellent

ADHESION: 410 psi (elcometer) - no delamination/concrete failure

VISCOSITY: Part A = 450-750 cps, Part B = 290-500 cps

DOT CLASSIFICATIONS: Parts A & C "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

PRIMER: None required.

CURE SCHEDULE: (70°)	
Pot life	30-40 minutes
Recoat or Topcoat	7-8 hours
Light Foot Traffic	14-16 hours
Full Cure (Heavy Traffic)	2-7 days

CHEMICAL RESISTANCE	
Xylene	B
1,1,1 trichloroethane	C
Methanol	B
Ethyl alcohol	B
Skydrol	B
10% Sodium Hydroxide	C
50% Sodium Hydroxide	C
10% Sulfuric Acid	B
70% Sulfuric Acid	A
10% HCl (aq)	C
5% Acetic Acid	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 EPIC sales representative.	

MIXING AND APPLICATION INSTRUCTIONS (DC392)

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55 degrees F to prevent product crystallization.

SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etching should properly profile the substrate. All edges and around columns or beams should be mechanically scarified. All termination points should not be feather edged, but should be saw cut with the termination ending at the sawcut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing. 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.

PRIMER: No primer is necessary. This material is self priming.

PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the pigment and aggregate. Mix with slow speed mixing equipment. It is important that enough time is spent mixing in the aggregate and pigment to ensure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Air currents directly across or above the mortar during the curing process may cause isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process..

RECOAT OR TOPCOATING: Surface coatings or treatments can be applied to DC392 after the applied mortar has cured, although a topcoat is not necessary. Many epoxies, urethanes or other finish materials can be used to topcoat Epic DC392, including Epic DC epoxies, urethanes and other coatings.

CLEANUP: Use xylol.

CONSIDERATIONS:

- Substrate temperature must be 5°F above the dew point.
- In areas where DC392 will receive direct chemical exposure, it is recommended that a protective topcoat be applied over DC392 in order to reduce porosity and chemical migration.
- Colors used in these products are not from our standard color chart.

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 MERCHANTABILITY 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.