



CRETE-MAXX Premium High-Impact Formula is our extreme solution to repair and cover your damaged concrete. Each pail contains individually packaged part A Resin and part B Hardener along with our uniquely specified Aggregate to ensure accurate mix ratios for maximum results. Our CRETE-MAXX line of products provide superior flexural, compressive, and tensile strength when compared with traditional concrete. CRETE-MAXX is designed to fully cure at a fraction of the time of concrete.

### CRETE-MAXX ADVANTAGES

- 100% solids by weight
- Provides a permanent way to patch or resurface damaged concrete
- Three components individually packaged within each pail to ensure accurate mix ratio
- Aggregate unique to the specified formula included within each pail to save money and time
- Easily installed by in-house personnel
- Self-Priming to reduce application time
- Compressive strength up to several times over that of standard concrete
- Extended shelf life in an unopened container
- Provides excellent impact and abrasion resistance
- Tooling easily cleaned with water upon immediate completion of the application
- Trowels like wet sand to completely fill the damaged area
- Provides a smooth level surface
- Can be installed at various depths to create or enhance slope

### TYPICAL TECHNICAL DATA

CURE SCHEDULE ( 70°F )	
Pot Life (0.45 cu. ft. mix)	30–40 minutes
Recoat or Topcoat	7–8 hours
Light Foot Traffic	14–16 hours
Full Cure (Heavy Traffic)	2–7 days
Application Temperature	55–90° F

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	D
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 sales representative.

### LIMITATIONS:

- Color stability may be affected by environmental conditions such as high humidity or chemical exposure
- Product is not UV color stable and certain lighting such as sodium vapor lights may cause color changes
- Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart
- Substrate temperature must be 5°F above dew point
- For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration
- All new concrete must be cured for at least 30 days prior to application
- See reverse side for application instructions
- Test data based on neat resin
- Physical properties are typical values and not specifications
- See reverse side for limitations of our liability and warranty

## PREMIUM HIGH-IMPACT FORMULA ADVANTAGES

### CRETE-MAXX HIGH-IMPACT FORMULA

is a three part individually packaged A Resin and B Hardener along with our uniquely specified Aggregate to ensure accurate mix ratios. Designed for applications where excellent wear characteristics and strength are required. High-Impact is ideal for heavy traffic areas, forklift traffic and steel wheel traffic areas. The resin-rich formula makes this our best option for resisting impacts and heavy abrasion in loading docks, traffic aisles, and machining areas.

#### 5 GALLON PAIL (58 lbs):

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:

Less than 3.5 g/l

COLORS AVAILABLE:

Natural or Light Gray

RECOMMENDED THICKNESS:

1/8" to 1/4"

COVERAGE PER PAIL:

25 sq ft @ 1/4" and 50 sq ft @ 1/8"

PACKAGING CUBIC FEET (approx):

9# part A, 2.2# part B, 50# aggregate.

MIX RATIO:

.96 - .98 gallons part A to .26 gallons part B plus 50# aggregate. (Weight and volumes approximate)

SHELF LIFE:

2 years in unopened containers

FLEXURAL STRENGTH:

15,150 PSI @ ASTM D790

COMPRESSIVE STRENGTH:

11,150 PSI @ ASTM D695

TENSILE STRENGTH:

6,800 PSI @ ASTM D638

ULTIMATE ELONGATION:

4.65%

IMPACT RESISTANCE:

Excellent

ABRASION RESISTANCE:

Excellent

HEAT DEFLECTION TEMP.:

70.5° C @ ASTM D648

WEATHERING: Good (chalks)

DOT CLASSIFICATION:

Part A & C "not regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

VISCOSITY:

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

PRIMER:

None required

TOPCOAT:

None required

## 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°F to prevent product crystallization.

## 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 etch 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 appropriate crack filler. All expansion joints should be filled with 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. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

## PRIMER

No primer is necessary. This material is self priming. However, any suitable primer can be used.

## 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 aggregate. Mix in the aggregate with slow-speed mixing equipment, such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure 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" thickness. Apply the material with a hand trowel or other suitable application equipment. Maintain temperatures within the recommended ranges during the application and curing process. Do not over-trowel the mortar as this can cause blistering. Air currents directly across or above the mortar may also cause blistering.

## RECOAT OR TOPCOAT

No recoating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representative for suitable topcoat selections.

## CLEAN UP

Use xylol.

## FLOOR CLEANING

Note: Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.