



EpoxySystems™ Product #650

Ceramic Resurfacing Grade Epoxy

DESCRIPTION

EPOXYSYSTEMS' PRODUCT #650 CERAMIC RESURFACING GRADE is a two-component, 100% solids, brushable ceramic, reinforced polymeric compound which has outstanding wear-resistance against abrasion, erosion/corrosion and cavitation in a fluid-flow environment.

ADVANTAGES

- Excellent adhesion to all metals
- No shrinkage
- Heat-resistance up to 450 degrees F.
- Chemical-resistance

WHERE TO USE

- Pump impellers and casings
- Valve discs & bodies
- Tank surfaces
- Condenser tube sheets
- Condenser boxes
- Pipe bends & elbows

| PHYSICAL PROPERTIES | |
|---|---|
| Color | Gray/Green |
| Mix Ratio | 4.5:A to 1:B by volume |
| Pot Life | 20 mins. @ 75 Degrees F |
| Specific Gravity | 1.7 |
| Compressive Strength ASTM D 695/7 days | 17,000 psi |
| Flexural Strength ASTM D 790/7 days | 15,000 psi |
| Shear Strength ASTM D 1002 (tensile: steel to steel) | 2,700 psi |
| Hardness Shore D ASTM D2240 | 87 |
| Mixed Viscosity | 30,000 cps |
| Solids by weight | 100% |
| Temperature Service | Wet: 150 Degrees F. Dry: 300 Degrees F. Continuous 450 Degrees F. Spike |

SURFACE PREPARATION

All surfaces to be repaired must be clean of dirt, grease and oil. For best results, remove contamination with abrasive blasting and non-flammable cleaner/degreaser, making sure all dust is removed.

MIXING

For kilogram units, mix entire contents of activator with base. Mix thoroughly with spatula to produce a streak-free mixture. If entire unit is not mixed at one time, measure

accurately 4.5 volumes of base to 1 volume of activator and mix thoroughly. Scrape sides and bottom frequently to insure complete mixing.

APPLICATION

Apply by brush or applicator. Material should be applied 15 mils thick each coat; minimum two (2) coats. Second coat, and subsequent coats, should be applied as soon as possible and certainly within twenty-four (24) hours; otherwise, brush-blasting will be necessary. Material can be heat cured for two (2) hours at 200 degrees F to achieve ultimate properties.

YIELD

One (1) kg. kit will yield approximately 35 cu. in., 12 sq. ft. per 15 mils.

PACKAGING

Available in one (1) kg. units.

LIMITATIONS

Material should be used in 40degrees to 90 degrees F temperatures and less than 90% humidity.

CAUTIONS

“A” Component: Warning! Contains epoxy resin. May cause skin irritation or allergic response. Avoid contact with skin. Avoid breathing vapors when heated. In case of skin contact, wash thoroughly with soap and water. In case of ingestion, do not induce vomiting.

“B” Component: Warning! Danger! Causes severe burns. Contains alkaline amines-strong sensitizer. Avoid skin contact. Avoid breathing vapors when heated. Wear protective gloves, goggles and barrier creams. In case of skin contact, wash thoroughly with soap and water. In case of ingestion, induce vomiting. If irritation persists, seek medical attention.

**FOR INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN**

For more information about this product or any other Epoxy Systems™ product, please contact:

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Warranty: We warrant our materials to be of good quality and will replace any material proved defective. We believe that the technical information provided is reliable and that materials will perform to your satisfaction. However, we cannot guarantee final results because of the many possible variations in field conditions and application procedures.