



EpoxySystems' Product #1007

Polymer Repair Mortar

DESCRIPTION

PRODUCT #1007 Polymer Repair Mortar is a one component polymer-modified, cementitious repair mortar enhanced with silica fume. **PRODUCT #1007** can be pumped, poured, or placed in concrete structures. The polymer modified silica fume mix provides highly durable abrasion resistant concrete.

ADVANTAGES

- Easily mixed and applied.
- Simple to use labor saving system.
- High early strengths.
- High compressive & flexural strengths.
- High bond strength.
- Compatible with coefficient of thermal expansion of concrete.
- Superior abrasion resistance over conventional portland cement mortar.
- Good freeze/thaw resistance.
- Not a vapor barrier.
- Not flammable, non-toxic.

WHERE TO USE

As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels and dams. On horizontal, vertical and overhead surfaces. On grade, above, and below grade on concrete and mortar. Free-flowing repair mortar for hard to reach areas. Leveling mortar.

PHYSICAL PROPERTIES

Color	Concrete gray when mixed
Compressive Strength (ASTM C-109)	
1 day	3,000 psi (20.7 Mpa)
7 days	5,500 psi (37.9 Mpa)
28 days	6,500 psi (44.8 Mpa)
Bond Strength (ASTM C-882 Modified)	28 days 2,200 psi (15.2 Mpa)
Splitting Tensile Strength (ASTM C-293)	28 days 500 psi (3.4 Mpa)
Flexural Strength (ASTM C-293)	28 days 720 psi (5.0 MPa)
Chloride Ion Permeability (AASHTO T-277)	<600 colombs

SURFACE PREPARATION

Steel Surfaces: Steel surfaces should be abrasion blasted to a commercial metal finish as specified by the Steel Structures Painting Council SSPC SP-6. All work blasted shall be coated the same day with Product #1200 **Zinc Rich Primer**.

Concrete Surfaces: Concrete surfaces shall be cleaned to remove dirt, curing compounds, existing coatings or laitance to provide a clean, sound bonding surface. Cleaning may be accomplished with **EpoxySystems' -Masonry Cleaner** and water blasting, acid etching and water blasting, abrasion blasting, or other methods that would achieve a similar result.

MIXING

Mix (1) one gallon of water per 50 lb. bag of **PRODUCT #1007 Polymer Repair Mortar**. Start with 0.8 gallons and Mix in more to desired consistency.

APPLICATION

For best results apply **Product #7 Bonding Agent**, and while bonding agent is still tacky, place **PRODUCT #1007** and thoroughly work into the substrate. For economical purposes when lift thickness exceeds 2 inches, up to 25 lbs. Of 3/8" coarse aggregate may be added to the grout mix

COVERAGE: 0.43 cubic feet per bag or

1 each 50lb bag of #1007 + 30 lbs of coarse aggregate+8lbs of water = approx. 0.62 cubic feet

PACKAGING: 50 lb. bag

LIMITATION: Shelf life 1 year in original unopened packaging

Storage Conditions Store dry at 40 - 95 °F (4 - 35 °C) Condition material 65 - 75 °F before using

Should not be used at temperatures below 40° F.

CAUTION: Contains Portland Cement and Silica Sand. Cement powder or freshly mixed concrete, grout or mortar may cause skin injury. Avoid contact with skin; wash exposed areas promptly with water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water. Get prompt medical attention! Dust harmful if inhaled. Use with adequate ventilation. Avoid breathing dust.

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

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