



Epoxy.com Product #25

Epoxy Mortar Kit

DESCRIPTION

Epoxy.com Product #25 is a 100% solids epoxy resin and specially selected aggregate system. Units are preproportioned for ease of mixing and use on the jobsite. **Epoxy.com Product #25** is a flowable, self-leveling grout, with handling and physical characteristics superior to similar grouts.

ADVANTAGES

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Epoxy.com Product #25 is simple to use. Premeasured proportions allow for precise and repeatable results. **Epoxy.com Product #25** is insensitive to moisture and may be used on dry and damp substrates. Pourable consistency - flows easily, self-levels in base plate forms, anchor bolt holes and floor toppings. Formulation permits placement up to three (3) inches thick. High strengths - 5,000 PSI compressive strength in twenty-four (24) hours at 73°F; ultimate strength averages 12,000 PSI in seven (7) days @ 73°. This makes it ideal for under equipment and where heavy loads, impact, torque and other operating stresses occur. Typical applications include:

Transportation Industry Utilities
Grout Pads Crushers Generators
Anchor Bolts Millers Steam Turbines
Crane Rails Blowers Transformers
Lathes

PHYSICAL PROPERTIES

Mixing ratio of Epoxy.com Product #25	2 Parts "A " (Resin) to 1 Part "B" (hardener) by volume
Working Life - Mixed Grout (Filler In)	
Temperature	Time
40° F ± 5° F	70 - 85 minutes
70° F ± 5° F	50 - 65 minutes
90° F ± 5° F	35 - 50 minutes

Compressive Strength ASTM C-109:

	40° F	70° F	90° F
6 hours		3,000	
8 hours		6,500	
16 hours		7,500	
1 Day,		8,000	10,000
3 Days	3,300	12,000	13,000
7 Days	6,100	13,000	13,000

Tensile Strength: ASTM C-190, 7 Day 2,000 ± 50 p.s.i
Shrinkage: ASTM C-827-82 0.3%

SURFACE PREPARATION

Proper preparation of the substrate and contact area of the base plate is essential . Substrate must be both clean and sound. Remove laitance, oils and grease from concrete by sandblasting or bush hammering. If possible, sand blast bottom of base plates and wipe clean and dry. Apply grout as soon as possible after cleaning steel surfaces to prevent recurrence of oxidation. (If primer for steel base plate edges or top surface is required, use [Epoxy.com PRODUCT #1200 Zinc Rich Primer](#)).

MIXING

Initial mix temperature must be 50° F minimum. For best performance, mix entire pack. Remove all components from six (6) gallon pail. Pour A Component into pail and add B Component and mix for two (2) minutes. Slowly add filler while continuing to mix resin until all is added or desired consistency. **NOTE:** Do not thin **Epoxy.com Product #25**. Solvent will prevent proper cure, and cause shrinkage. If less than full unit is required, carefully measure two (2) parts Component A and one (1) part Component B and add desired amount of filler.

APPLICATION

Construct containing form with head box, if necessary. Any form surface in contact with **Epoxy.com Product #25** must be coated with release agent. Seal forms tightly to prevent leakage. Leakage that causes grout in place to subside below plate bottom level will cause loss of contact and voids at grout/base plate bottom interface. Re-establishing complete

contact will be difficult at best. Be certain that all tools and mixing materials are at hand prior to mixing of Epoxy.com Product #25.

Mix **Epoxy.com Product #25** in accordance with mixing instructions. Pour grout into form from one side only. Pour continuously while maintaining a minimum of one (1) inch of head above the base plate bottom until grout appears full width of the base plate at opposite side of the form. Continue pouring at a reduced rate until Epoxy.com Product #25 levels at 1/4" above the plate bottom on all sides. Clean equipment with **Epoxy.com Tool & Equipment Cleaner** before Epoxy.com Product #25 hardens. If placement depth exceeds three (3) inches, contact EpoxySystems Technical Service for assistance. If ambient temperature exceeds 90° F, use **Epoxy.com Product #27 Slow Cure Mortar**

PACKAGING

Epoxy.com Product #25 is conveniently packaged in a six (6) gallon pail. Each component is premeasured and separately packaged inside the six gallon pail. Yield is .50 cubic feet per unit. Component A - 128 fl. oz., Component B - 64 fl. oz., Aggregate - 3 ½ loose gallons. When pails are not available, premeasured 3½ loose aggregate will be packaged in paper polyethylene lined bags.

CAUTION:

CONTAINS EPOXY RESIN AND AMINE COMPOUNDS! May cause skin sensitization or other allergic responses. Avoid breathing vapors. Use with good ventilation. If contact with skin occurs, wash immediately with soap and water. If contact with eyes occurs, flush immediately with copious amounts of water for at least fifteen (15) minutes. Contact a physician. Wash contaminated clothing before reuse. Discard contaminated shoes. Wear protective clothing, goggles, gloves and/or barrier creams.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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