EpoxySystems' Product #26

Epoxy Mortar Resin Kit

DESCRIPTION

EpoxySystems' Product #26 is a 100% solids epoxy resin and specially selected aggregate system which produces a flowable, self-leveling grout, with handling and physical characteristics superior to similar grouts. **EpoxySystems' Product #26** is designed for floor resurfacing where high strength and short down time are needed. **EpoxySystems' Product #26** units are preproportioned for ease of mixing and use on the jobsite.

ADVANTAGES

EpoxySystems' Product #26 comes in pre-measured proportions that allow for precise and repeatable results. **EpoxySystems' Product #26** is insensitive to moisture and may be used on dry and damp substrates. Excellent self-leveling floor topping. Pourable consistency - flows easily, self-levels in baseplate forms, anchor bolt holes and floor toppings. Formulation permits placement up to two (2) inches thick. High strengths - 5,000 psi compressive strength in twenty-four (24) hours at 73°F; ultimate strength averages 15,000 psi in seven (7) days at 73°F.

WHERE TO USE

EpoxySystems' Product #26 is used to resurface industrial flooring to make a hard tough chemical and impact resistant surface. **EpoxySystems' Product #26** can also be used to seat and support reciprocating machinery and other equipment 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 **EpoxySystems' Product #26** Resin - 2A to 1B by volume

Working Life - Mixed Grout (Filler In)

Temperature	Time
70°F +/- 5°F	20 - 45 minutes
90°F +/- 5°F	15 - 25 minutes

75° F

Compressive Strength:	ASTM C-579, 7 Days	15,000 psi
Tensile Strength:	ASTM C-307, 7 Days	2,200 psi
Flexural Strength:	ASTM C-580	5,000 psi
Hardness	Shore D, ASTM D-2240	87
Shrinkage:	ASTM C-883	PASS
Water Absorption:	ASTM C-413	< 0.1%
Impact Resistance	MIL-D-3134F 4.73	> 16 ft/lb.
Abrasion Resistance ASTM C 501,		
Tabor CS17 Wheel 42 mg loss1000 cycle		1 kg
Coated with EpoxySystems' Product #219 Clear		30 mg loss
Bond Strength	ACI 503	>400 psi Concrete Failure
Linear Coefficient of Thermal Expansion	ASTM C-531	20 x 10^{-6} in./in. °F

PACKAGING

EpoxySystems' Product #26 is conveniently packaged in two (2) 45 pound bags for the C component and a three (3) gallon unit of the Resin component. Yield is 1600 cubic inches per unit. **EpoxySystems' Product #26** will cover 85 sq. ft. per pack at a thickness of 1/8 inch.

SURFACE PREPARATION

Proper preparation of the substrate and contact area of the baseplate is essential. Substrate must be both clean and sound. Remove laitance, oils and grease from concrete by sandblasting or bush hammering. If possible, sandblast 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 baseplate edges or top surface is required, use **EpoxySystems' Product #1200 Zinc Rich Primer**).

MIXING

Store **EpoxySystems' Product #26** at 65 - 75^{o}F. Initial mix temperature must be 50^{o}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 **EpoxySystems' Product #26.** 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

For flooring, pour well mixed material on floor and spread with trowel or rake to desired level. For base plates: construct containing form with head box, if necessary. Any form surface in contact with **EpoxySystems' Product #26** 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/baseplate 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 **EpoxySystems' Product #26**.Mix **EpoxySystems' Product #26** 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 baseplate bottom until grout appears full width of the baseplate at opposite side of the form. Continue pouring at a reduced rate until **EpoxySystems' Product #26** levels at 1/4" above the plate bottom on all sides. Clean equipment with **EpoxySystems'Tool & Equipment Cleaner** before **EpoxySystems' Product #26** hardens. If placement depth exceeds two (2) inches, contact EpoxySystems' Technical Service for assistance. If ambient temperature exceeds 90^{o}F, use **EpoxySystems' Product #27.**

LIMITATIONS: Do not use below 50^{o}F. Keep C Component Dry!!!

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. If irritation persists contact a physician. Wash contaminated clothing before reuse. Discard contaminated shoes. Wear protective clothing, goggles, gloves and/or barrier creams.

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