



# Epoxy.com Product #26HP

## Epoxy Mortar Resin Kit

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### **DESCRIPTION**

**Epoxy.com 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. **Epoxy.com Product #26** is designed for floor resurfacing where high strength and short down time are needed. **Epoxy.com Product #26** units are preproportioned for ease of mixing and use on the jobsite.

### **ADVANTAGES**

**Epoxy.com Product #26** comes in pre-measured proportions that allow for precise and repeatable results. **Epoxy.com 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 base plate forms, anchor bolt holes and floor toppings. Formulation permits placement up to two (2) inches thick. High strengths - 5,000 p.s.i compressive strength in twenty-four (24) hours at 73°F; ultimate strength averages 15,000 p.s.i in seven (7) days at 73°F.

### **WHERE TO USE**

**Epoxy.com Product #26** is used to resurface industrial flooring to make a hard tough chemical and impact resistant surface. **Epoxy.com 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 Epoxy.com 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 p.s.i

Tensile Strength: ASTM C-307, 7 Days 2,200 p.s.i

Flexural Strength: ASTM C-580 5,000 p.s.i

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 loss/1000 cycle 1 kg

Coated with Epoxy.com Product #219 Clear 30 mg loss

Bond Strength ACI 503 >400 p.s.i Concrete Failure

Linear Coefficient of

Thermal Expansion ASTM C-531  $20 \times 10^{-6}$  in./in. °F

## **PACKAGING**

**Epoxy.com 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. **Epoxy.com 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 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, 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 base plate edges or top surface is required, use **Epoxy.com Product #1200 Zinc Rich Primer**).

## **MIXING**

Store **Epoxy.com Product #26** at 65 - 75°F. 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 #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 **Epoxy.com 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/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 #26**. Mix **Epoxy.com 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 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 #26** levels at 1/4" above the plate bottom on all sides. Clean equipment with solvent before **Epoxy.com Product #26** hardens. If placement depth exceeds two (2) inches, contact Epoxy.com Technical Service for assistance. If ambient temperature exceeds 90°F, use **Epoxy.com Product #27**.

**LIMITATIONS:** Do not use below 50°F. Keep C Component Dry!!!

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

For more information please contact:

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