

PRODUCT DATA

Deep Pour Epoxy Grout

DEEP POUR EPOXY GROUT is a high strength industrial epoxy grout designed for grouting and anchoring in thicknesses of up to 12 inches. This three component epoxy grout eliminates costly failures due to curing cracks, expansion, corrosion and oil degradation. Deep Pour Epoxy Grout features negligible shrinkage, excellent resistance to a broad range of chemical and abrasive conditions, vibration, torque loads, high impact and other stresses to provide outstanding load bearing stability. Deep Pour Epoxy Grout complements our Thin Pour and Liquid Flow Epoxies which can be used when access under the base is one inch or less.

FEATURES:

- High strength
- Resists impact and vibration
- Fast setting formulation
- Eliminates curing cracks
- Provides dimensional stability
- Negligible shrinkage
- Excellent chemical resistance
- Reduces long term maintenance costs
- U.S.D.A. approved for incidental food contact

APPLICATIONS:

Deep Pour Epoxy Grout is perfect for grouting, re-grouting and anchoring heavy equipment exposed to impact, vibration, torque load and other stresses. Applications include:

- Equipment bases
- Tower and turbine bases
- Equipment or bar anchoring
- Precision alignment of equipment
- Rebuilding equipment foundations
- Heavy vibration applications
- Setting of rotating equipment
- Crane rails
- Chemical exposure

Deep Pour should be used when clearances are 3/4 in. or more, and can be poured up to 12 in. deep in one lift. For deeper pours, contact Indcon for technical support.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

Compressive Strength: 24 hours: 9,000 psi
(ASTM D-695) Full Cure: 17,000 psi

Compressive Modulus: 3.62×10^5 psi
(ASTM C-579-82)

Tensile Strength: 1,950 psi
(ASTM C-307-83)

Flexural Strength: 3,750 psi
(ASTM C-580-74)

Flexural Modulus: 1.51×10^6 psi
(ASTM C-580-74)

Linear Shrinkage: 0.7×10^{-3} in/in

Coefficient of Expansion: 2.0×10^{-5} in/in/°C
(ASTM D296-70)

Pot Life: 90 minutes at 77°F

Cure Rate: Minimum 18 Hours at 77°F/25°C

Full cure: 5-7 days

Yield: 0.5 and 1.0 cu. ft. units available

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PACKAGING: Deep Pour Epoxy Grout is packaged in 0.5 and 1.0 cubic foot units. The resin is packed in a pail and the hardener is packed in a bottle. The aggregate is packed in special water resistant bags.

PREPARATION: (See SDS Sheet Before Using) Abrade concrete by bush hammering, scarification, or similar method to remove laitance and contamination from surfaces. For maximum adhesion, steel should be sandblasted where possible. Concrete must be clean, dry and free from dust. Prior to mixing, all surface preparation, forming (including application of release agents to forms, bolts and non-adhering surfaces) and equipment organization must be completed. Material must be warm and dry (between 70°F and 90°F).

MIXING: Add the entire contents of the hardener to the resin and mix by hand or at low speed with a jiffy mixer attached to a handheld drill for 2 to 3 minutes (several batches can be mixed at a time as required). Slow speed mixing of the liquids is mandatory to minimize air entrapment. Slowly add aggregate and mix with helical ribbon mixer or mortar mixer. Mix only until thoroughly wet.

POURING: Pour the mixed into application area. Keep grout flow steady. When pouring under equipment, allow the grout to set for a minimum of 24 hours at 70°F before placing equipment into operation. Forms may be removed when a metallic sound results when the grout is struck with a hammer.

POT LIFE: Mixed components have a pot life of approximately 90 minutes at 75°F.

TEMPERATURE LIMITATIONS: During the installation and cure, the surrounding concrete, steel surface and air temperatures must be between 60°F and 90°F. The grout should have a minimum temperature of 70°F. To optimize performance, ensure a minimum temperature of 70°F for surrounding concrete, steel and air. Under certain grouting conditions pre-wetting bearing surfaces may be necessary to increase flow and improve air release. If you feel you have such a situation call us immediately. In cold weather we recommend building a shelter around the work area and warming to 70°F. Areas above 90°F must be protected from direct sunlight and provisions made to cool the material below 90°F. Never pour in direct sunlight.

HARDENING AND CURE: Deep Pour Epoxy Grout will harden to 9,000 psi in 24 hours at 77°F and achieve full properties in 5 to 7 days.

STORAGE AND SHELF LIFE: Materials should be stored at room temperature (75°F). Stored at room temperature in original unopened containers, materials have a 1 year shelf life.

PRECAUTIONS: Read container labels and Safety Data Sheets (SDS) before using any product. Contact with either component can cause irritation. Wear protective clothing. Cover hands with chemical resistant gloves. Wear chemical splash goggles to avoid eye contact. Use only with adequate ventilation.

ADDITIONAL INFORMATION: For complete safety information refer to the material SDS. For additional information, contact us at 888-809-2365.

LIMITED WARRANTY: Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: Always keep out of the reach of children.

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