



EPOTECH

PRECISION HIFLOW DEEP POUR GROUT

EPOTECH HIFLOW PRECISION DEEP POUR GROUT is an exceptional high strength, industrial epoxy grout designed for grouting and anchoring heavy equipment to thicknesses of 12 inches. Superior to cement grouts, our three-component epoxy **HIFLOW PRECISION DEEP POUR GROUT** eliminates costly failures due to curing cracks, shrinkage, expansion, corrosion breakdown and oil degradation. Superior formulation allows excellent flow. High filler loading and an expansion additive insure positive expansion, low exotherm and extremely high effective bearing area. The speed of the product has been carefully controlled to achieve adequate flow time yet high early cure strength.

PRODUCT DESCRIPTION:

EPOTECH HIFLOW PRECISION DEEP POUR GROUT is a three component, epoxy system designed for grouting and anchoring heavy equipment and engines to thickness' of 12 inches. This 100% solids system features exceptional strength, chemical resistance, flow and positive expansion.

PHYSICAL/CHEMICAL CHARACTERISTICS:

(7 day cure at 77° F)

Compressive Strength (16 hours).....	10,050 psi
Full Cure	16,200 psi
Compressive Modulus	2.05 x 10 ⁶ psi
(ASTM C-579-82)	
Tensile Strength	2,000 psi
(ASTM C-307-83)	
Flexural Strength	4,350 psi
(ASTM-C-580-74)	
Flexural Modulus	1.51 x 10 ⁶ psi
(ASTM C-580-74)	
Linear Shrinkage	Positive Expansion
Coefficient of Expansion	17.5 x 10 ⁻⁶ in/in/°F
(ASTM D296-70)	
Pot Life	60 minutes at 77°F
Cure Rate: Minimum	18 hours at 77°F/25°C
Full Cure	
5 to 7 days, depending upon application temperature, cure temperature and pour thickness.	
Mixing Ratio:	
Supplied in factory proportioned quantities. Mix entire unit.	
Yield:	114 pounds per cubic foot
Colors	Brown

APPLICATIONS:

EPOTECH HIFLOW PRECISION DEEP POUR GROUT is perfect for grouting, and anchoring heavy equipment. With proper preparation and mixing, our grout eliminates costly failures from curing cracks, expansion, shrinkage, corrosion, breakdown and oil degradation.

EPOTECH HIFLOW PRECISION DEEP POUR GROUT provides resistance to vibration, impact, torque loads and other stresses. Affords outstanding resistance to acids, alkalis, solvents, oil and grease compared with concrete.

COMMON USES & APPLICATIONS:

- Anchor Bolts
- Engines • Rails
- Compressors
- Heavy Machinery
- Base Plates
- Patch Floors
- Milling Machines & Presses
- Pumps

FEATURES:

- Resists impact and vibration
- Improves machine operation
- Provides dimensional stability
- Eliminates curing cracks
- Positive Expansion
- Low stress curing process
- Reduces long-term costs
- Excellent chemical resistance compared to concrete
- High physical strengths

PACKAGING:

EPOTECH HIFLOW PRECISION DEEP POUR GROUT is packaged in 2.0 cubic foot units. The resin is in a pail and the hardener is packed in a bottle, and then a box. The graded silica aggregate sand is packed in 50 lb. bags.

YIELD:

Kit	Kit weight	Yield in cubic inches
2.0 ft ³ (5 bag)	278 lbs	3456

PREPARATION:

(See MSDS Sheet Before Using)

Use **EPOTECH HIFLOW PRECISION DEEP POUR GROUT** in situations where clearance is ¼ inch or more. 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° and 90°F).

Add the entire contents of the hardener to the resin in a slow speed mortar mixer or wheelbarrow and mix for 2 to 3 minutes or less. (One to several batches can be mixed at a time as required.) Slow speed mixing is mandatory to minimize air entrapment. Slowly add aggregate and mix to a homogenous blend.

Pour the mixed material under the machine base. Keep grout flow steady. 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 as grout is struck with a hammer.

POT LIFE:

Mixed components have a pot life of approximately 60 minutes at 75°F.

TEMPERATURE LIMITATIONS:

During the installation and cure, the surrounding concrete, steel surface and air temperatures must be between 50° and 90°F. The grout should have a minimum temperature of 70°F. To optimize performance, we recommend a minimum temperature of 70°F for grout, surrounding concrete, steel surface and air.

In cold weather we recommend building a shelter around the work area and warming to 70°F. Above 90°F areas must be protected from direct sunlight and provisions made to cool the material below 90°F. Never pour in direct sunlight.

HARDENING AND CURE:

EPOTECH DEEP POUR GROUT will harden to 10,050 psi in 16 hours at 77° F with full properties being achieved in 5 to 7 days.

STORAGE AND SHELF LIFE:

Materials should be stored at room temperature (between 70° - 90° F°). Stored at room temperature, materials should have a 1 year shelf life.

PRECAUTIONS:

Read container labels and Material Safety Data Sheets before using all products. 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.

COMPLEMENTARY DATA:

For more information please refer to the M.S.D.S. sheet.

For specific chemical resistance information please call our office at 877-952-0057. Our full service lab and technical engineers are available to assist you.

CAUTION: Always keep out of the reach of children.

Warranty

Concrete Chemical Technologies Inc.'s sole warranty is that our products have been manufactured to meet with our written specifications. The information herein is general information to assist our customers in determining whether our products are suitable for their applications. Our products are intended for sale to commercial and industrial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents, suitability and applications. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent inferred. All patent and trademark rights are reserved. The exclusive remedy for all proven claims is placement of our materials and in no event shall we be liable for incidental or consequential damages.



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