



PRODUCT DATA

MICOROX® DEEP POUR® GROUT

MICOROX® DEEP POUR® GROUT Is an exceptional high strength, industrial epoxy grout designed for grouting and anchoring heavy equipment to thickness' of 12 inches. Superior to cementitious grouts our three-component epoxy **DEEP POUR® GROUT** eliminates costly failures due to curing cracks, expansion, corrosion breakdown and oil degradation. Superior formulation insures negligible shrinkage, excellent resistance to a broad range of chemical and abrasive conditions, resistance to vibration, torque loads, high impact and other stresses to provide outstanding load bearing stability. **DEEP POUR® GROUT** complements our Standard and X-tra Fluid Grouts which are used when access under the base is one inch or less. U.S.D.A. approved for incidental food contact.

PRODUCT DESCRIPTION:

MICOROX® 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 and chemical resistance.

APPLICATIONS:

MICOROX® DEEP POUR® GROUT is perfect for grouting, regrouting and anchoring heavy equipment. With proper preparation and mixing our grout eliminates costly failures from curing cracks, expansion, corrosion breakdown and oil degradation. **MICOROX® DEEP POUR® GROUT** provides resistance from vibration, high impact, torque loads and other stresses. Affords outstanding resistance to acids, alkalis, solvents, oil and grease compared with concrete.

- FEATURES:**
- Resists impact and vibration
 - Impoves machine operation
 - Provides dimensional stability
 - Eliminates curing cracks
 - Negligible shrinkage
 - Low stress curing process
 - Reduces long term costs
 - Excellent chemical resistance compared to concrete
 - High physical strengths
 - U.S.D.A. Approved

COMMON USES & APPLICATIONS:

- Anchor Bolts
- Crushers
- Heavy Machinery
- Milling Machines & Presses
- Engines
- Compressors
- Patch Floors
- Base Plates

PHYSICAL/CHEMICAL

CHARACTERISTICS: (7 day cure at 77° F)

- Compressive Strength** (18 hours) 9,700 psi
- Full Cure** 18,600 psi
- Compressive Modulus** 3.62 x 10⁵ 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 x 10⁶ psi
- (ASTM C-580-74)
- Linear Shrinkage** 0.7 x 10⁻³ in/in
- Coefficient of Expansion** 2.0 x 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 to 7 days, depending upon application temperature, cure temperature and pour thickness.
- Mixing Ratio:** supplied in factory proportioned quantities. Mix entire unit.
- Yield:** 129 pounds per cubic foot
- Colors** Gray

PACKAGING:

MICOROX® DEEP POUR® GROUT is packaged in 1.0 cubic foot units for easy estimating. 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 special water resistant bags.

YIELD:

| | |
|-------------------|------------------------------|
| Kit weight | Yield in cubic inches |
| 129 lbs | 1728 |

PREPARATION: (See MSDS Sheet Before Using)

Use **MICOROX® DEEP POUR® GROUT** in situations where clearance is ¼ inch or more. Abrade concrete by bush hammering, scarification, or similar method to remove laitence 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 only until thoroughly wet.**

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 90 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.

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. 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:

MICOROX® DEEP POUR® GROUT will harden to 9700 psi in 18 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 800-284-4308. Our full service lab and technical engineers are available to assist you.

LIMITED WARRANTY: Micor Company Inc. warrants to the original purchaser of its products that they are in conformance to the formulation standards of Micor Company, Inc. and that such products are free from manufacturing defects. Original purchaser's only remedy is replacement of the product. Micor does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Micor 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 Micor's part. Micor neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Micor products. This warranty shall not apply to any of Micor's products which have been subject to alteration, abuse or misuse. Micor makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Micor Co. which are used in connection with its products. The term "original purchaser" in this warranty applies to that person, company or corporation to which Micor Company Inc. sold its product or products. The original purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: Always keep out of the reach of children.