

MICOROX® STANDARD GROUT

MICOROX® STANDARD GROUT Is an exceptional high strength, fast setting industrial epoxy grout designed for grouting, regrouting and anchoring equipment. Our two-component, 100 % solids, **STANDARD GROUT** has superior flow rates for easy penetration under machine bases or sole plates. Excellent resistance to a broad range of chemical and abrasive conditions and resistance to vibration and impact enhances machine operation. Minimal surface preparation, quick and easy installation eliminates costly downtime. Easy to use grouting techniques allow a machine to be reset without removal, in most situations. Quick setting and special curing features, allow operation in as little as 6 hours after installation. **STANDARD GROUT** is U.S.D.A. approved for incidental food contact

PRODUCT DESCRIPTION:

MICOROX® STANDARD GROUT is a two component, fast setting epoxy system designed for anchoring equipment. This 100% solids system features exceptional strength and chemical resistance.

APPLICATIONS:

MICOROX® STANDARD GROUT is perfect for grouting, regrouting and anchoring equipment. The grout is easy to use and is formulated for superior flow rates and easy penetration under machine bases or sole plates. Minimal surface preparation, quick and easy installation eliminates costly downtime. Quick setting and curing features allow operation in as little as 6 hours after installation. **MICOROX® STANDARD GROUT** is ideal for anchoring bolts, without costly equipment, for constructing level bases without transits or other equipment. Self-leveling and sets solid, it will form a perfect base for sensitive equipment. Affords outstanding resistance to acids, alkalis, solvents, oil and grease compared with concrete.

- FEATURES:**
- Resists impact and vibration
 - Improves machine operation
 - Minimal surface preparation
 - Quick and Easy installation
 - 100% solids: no solvents
 - Superior flows
 - Easy resetting without removal
 - Minimal material usage: (½ to 1 inch vs. 4 to 6 inches of concrete)
 - Fast set and cure
 - Excellent chemical resistance compared to concrete
 - High physical strengths
 - U.S.D.A. Approved

COMMON USES & APPLICATIONS:

- Anchor Bolts
- Engines
- Crushers
- Compressors
- Heavy Machinery
- Patch Floors

PHYSICAL/CHEMICAL
CHARACTERISTICS: (7 day cure at 77° F)

Compressive Strength (6 Hours)	9,000 psi
Full Cure	16,800 psi
Compressive Modulus	1.1 x 10 ⁶ psi
(ASTM D-695-77)	
Tensile Strength	4,260 psi
(ASTM D-638-77a)	
Tensile Modulus	1.13 x 10 ⁶ psi
(ASTM D638-77a)	
Percent Elongation	0.57%
(ASTM D-638-77a)	
Flexural Strength	6,800 psi
(ASTM-D-790-71)	
Flexural Modulus	1.13 x 10 ⁶ psi
(ASTM D-790-71)	
Linear Shrinkage	1.0 x 10 ⁻³ in/in
Coefficient of Expansion	2.1 x 10 ⁻⁵ in/in/°C
(ASTM D296-70)	
Viscosity Brookfield (mixed)	2,100 cps
(Sp. 3, 20 rpm, 77° F)	
Pot Life	15 minutes at 77°F
Gel Time (77°F)	30 minutes
(½ inch thick)	
Cure Rate: Minimum.	6 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:	1 pound yields 16.5 in ³
Colors	Dark Limestone

PACKAGING:

MICOROX® STANDARD GROUT is packaged and sold in 11, 25, and 55 pound kits. Each kit contains:

- 1 containers of Part A - Resin
- 1 containers of Part B - Hardener

COVERAGE:

Kit Weight	Yield in cubic inches
11 lbs.	175
25 lbs.	400

Note: 1 pound yields 16 1/2 cubic inches.

PREPARATION: (See MSDS Sheet Before Using)

Base Preparation: Level the machine with a clearance of 1/2 - 1 inch of space between machine base and foundation. Be careful to remove loose or weak concrete from foundation surfaces and to clean machine base if adhesion is desired. Concrete foundation must be firm, although **MICOROX® STANDARD GROUT** will flow into cracks as small as .002" and strengthen the entire structure. If foundation is metal, sand to a rough surface, and wipe with solvent for best adhesion.

Dam the perimeter of the grout area if not already recessed, leaving adequate venting. Use a wax type form release agent (See installation sheet for more detailed instructions.)

Resin Preparation: Mix ONLY when ready to pour! Pours like a liquid unless setting has begun. **POT LIFE: 15 minutes**, which can be extended slightly by swirling mixture to delay heat build up in center of mass. Mix the resin for 1 to 2 minutes and add hardener while continuing to mix for another 1 to 2 minutes. Take care to remove material from the walls of the container while mixing. Keep mixing paddle away from surface to reduce air entrapment. (See installation sheet for more detailed instructions.)

APPLICATION:

Pouring Mixed Resin: Always pour from one spot, to prevent air inclusions under the machine. Pour in a steady stream about 6" high to prevent splashing. When resin has penetrated base, move pour spot along the same side of base to where resin stopped. Pour until resin is at least 1/2" up side of base. Once resin has filled to bottom of opposite and adjacent sides of base, it is acceptable to fill in sides by pouring around base perimeter.

Removing Forms: (See installation sheet for complete instructions.)

Anchor Bolts: Drill hole 1/2" larger than bolt diameter and to a depth 10 to 15 times the bolt diameter. Quickly fill hole about 1/3 of the depth. Bolt should be about at a

minimum temperature of 70°F to a maximum of 150° F. A bolt preheated to 150° will set permanently in less than 1 hour. **Overheating the bolt will cause failure!**

TEMPERATURE LIMITATIONS

During the installation and cure, surface temperatures of 60° F to 90° F are recommended. For proper installation and adhesion, ensure the materials are between 70° F and 90° F before using.

HARDENING AND CURE

MICOROX® STANDARD GROUT will harden to 9,000 psi compressive strength, suitable for operation, within 6 hours at 77° F.

PRECAUTIONS:

Read container labels and Material Safety Data Sheet before using all products. Contact with liquids Part A and B can cause skin irritation. Wear protective clothing. Cover hands with protective cream and/or gloves. Wear chemical splash goggles to avoid eye contact. Use only with adequate ventilation.

NEVER RECAP A CONTAINER OF MIXED COMPONENTS. THE CONTINUING CHEMICAL REACTION MAY CAUSE THE CONTAINER TO RUPTURE VIOLENTLY.

COMPLEMENTARY DATA

Use **MICOROX® STANDARD GROUT** Installation Guide for complete installation instructions.

For specific chemical resistance data refer to **MICOROX® STANDARD GROUT** Chemical Resistance Guide.

Our full service lab and technical engineers are available to assist you. For complete information on Micorox® systems contact your local Micorox® Dealer or our factory at 800-284-4308.

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.