



ChemMasters®

PolyTops™ GC Grout Construction Grade Epoxy Grout

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

PolyTops GC Grout is a premeasured, three component epoxy grout. **PolyTops GC Grout** consists of curing agent, resin, and precisely blended and graded aggregate. When properly mixed and installed these components form a durable epoxy grout.

USES

PolyTops GC Grout is a general construction, epoxy grout designed for applications where high strength, vibration resistance, temperature resistance and resistance to some chemical attack are required.

When grouting machinery, **PolyTops GC Grout** maintains alignment even under extreme operating temperatures from hot to cold. **PolyTops GC Grout** is also ideal under dynamic loading conditions such as centrifuges, milling machinery, crushers, presses, etc.

ADVANTAGES

- High strength - minimizes vibration damage
- Fast curing - shortens downtime
- Thermal resistant
- Flowable for ease in placement
- Holds alignment
- Premeasured unit for consistent on-the-job product
- Resistant to many corrosive chemicals and oils

Packaging Product Number

Part A Resin	3.6 gal (14L)	F2410.254
Part B Hardener	0.6 gal (2.3L)	
Part C Aggregate	4 x 50 lb (22.7kg)	

TECHNICAL DATA

Estimating Guide Unit Yield

1.9 ft³ (0.05/m³)

Test Data

Note: All finished product properties are performed on 7 day old samples.

Color (mixed)	Gray
Pot Life @ 77°F (25°C)	1 hour
Application Temperature	60 to 90°F (15.6 to 47°C)
Viscosity (mixed)	Flowable
ASTM D570 Water Absorption	0.025%
ASTM C109 Compressive Strength	12,000 psi (83 MPa)
ASTM C882 Shear Strength	2800 psi (18 MPa)
ASTM D790 Flexural Strength	2600 psi (12 MPa)
ASTM C307 Tensile Strength	1800 psi (12 MPa)
ASTM C531 Linear Shrinkage	0.000510 in/in
ASTM C531 Coefficient of Linear Thermal Expansion	1.7 x 10 ⁻⁵ in/in/°F @ 72 to 210°F (22 to 99°C)

DIRECTIONS

Surface Preparation: Proper surface preparation is critical. The concrete substrate must be cleaned to the base concrete and roughened with a small chipping hammer. The concrete must be dry, oil free, and free of all contaminants.

Forming: Forms will be required for most grouting applications. Top edges of forms must be higher than bottom of base plate to be grouted. Seal bottom edges of forms so that grout will not leak. Anchor bolt sleeves should be sealed or wrapped with poly. Construct forms with a larger gap (at least 2") between form and base being grouted. Use a slant board or construct a head box to direct flow of grout from front to back. Allow at least 1" gap at backside of form to facilitate flow and allow air to escape in front of grout flow.



ChemMasters®

An American Owned & Operated Company

300 EDWARDS STREET • MADISON, OHIO 44057-3112 (440) 428-2105 • FAX (440) 428-7091 • ORDERLINE: (800) 486-7866 www.chemmasters.net

June 2018

Mixing: Mechanical mixing is required. A paddle type mortar mixer is required for epoxy grouting jobs. Pour Part B Hardener into Part A Resin in the pail. Mix thoroughly for two to three minutes using a slow speed drill fitted with a jiffiler blade. Pour the mixed epoxy into a mortar mixer, then gradually add Part C Aggregate mixing until all of the aggregate particles are coated with mixed epoxy.

Placement: Always place grout from one side with enough of a steady, continuous flow to push air out in front of grout flow, thus ensuring maximum surface bearing of the plate or base. Whenever possible, mix sufficient grout with each batch to do a complete base or plate. Place grout a minimum of 1/2 inch thickness and no more than 4 inches thick in one lift. Do not vibrate grout.

CLEANUP

Clean tools and equipment before material dries and hardens with xylene, xylol or Polyseal Solvent.

LIMITATIONS

- Do not add water or solvent to any of the components.
- Do not use over frost or frozen concrete
- Do not use over concrete less than 28 days old
- Cold temperatures reduce flowability and lengthen curing times considerably
- Excessively high temperatures increase initial flow but significantly reduce pot life
- Do not use if the operating temperature of the machinery being grouted exceeds 225°F (107°C).
- If ambient grouting temperature exceeds the limits of 60° to 90°F (15° to 47°C), please consult ChemMasters technical services staff
- Consult ChemMasters for resistance to the specific chemicals in your environment.

Precautions

Part A. WARNING: Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Part B. Danger: Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. **Precautionary Statements:** Do not breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Part C. WARNING: Suspected of causing cancer. May cause damage to lungs through prolonged or repeated exposure if inhaled. **Precautionary Statements:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.