



ChemMasters

SPECIALTY CONSTRUCTION PRODUCTS

POLYTOPS FAST SET EPOXY

GENERAL PURPOSE EPOXY BINDER

P R O D U C T D A T A

DESCRIPTION

PolyTops Fast Set Epoxy is a two component, high strength, fast setting epoxy adhesive anchoring gel. PolyTops Fast Set Epoxy is a 1:1 epoxy and is packaged in a convenient, easy to use 22 ounce dual cartridge.

USES

- Anchoring bolt, dowels and pins in horizontal or vertical applications
- Joint and crack repair on older floors.
- Cap sealing and port setting
- Bonding irregular surfaces

ADVANTAGES

- Moisture tolerant; can be used in wet or damp holes
- Freeze / thaw resistant for use in severe weathering locations
- Suitable for seismic conditions
- Low odor
- Maintains flexibility during severe thermal cycling
- As a static crack filler, halts deterioration and extends the service life of floors

PACKAGING

PolyTops Fast Set Epoxy is packaged in 22 ounce (600 ml) cartridges. Component A is white and component B is dark gray. When mixed in a static mixer, the material is a medium gray in color.

TECHNICAL DATA

U.S.D.A. approved for incidental contact

ASTM C881; Types I, II, IV, V; Grad 3; Classes A, B, & C

Gel Time at 73°F (60 gram mass) 8 minutes

D.O.T. approved in many states

V.O.C compliant

ESTIMATING GUIDE

One cartridge yields 37 cubic inches (600 cubic cm)

DIRECTIONS

In cold weather applications, precondition cartridges to 80°F (27°C) for easier gunning.

PolyTops Fast Set Epoxy is easily dispensed from cartridges, eliminating mixing and measuring. Remove D plug from the small end of the cartridge. Slide retaining nut over static mixer. Secure static mixer to cartridge by screwing retaining nut onto cartridge. For easier gunning, the static mixer tip may be cut off to the third notch. Place assembled cartridge into a pneumatic hand gun. Extrude epoxy until a uniform gray color is achieved. Do not use epoxy with color streaks. Dispense under a constant, uniform pressure. If dispensing is altered, re-establish a uniform gray color before continuing. When using a hand gun, release pressure from gun by pressing thumb button at every pause in dispensing. Otherwise, re-establish uniform gray color before continuing.

ANCHORING BOLTS, RODS, DOWELS AND PINS

1. Drill holes to proper diameter and length
2. Clean holes with a nylon brush
3. Blow out concrete dust with oil free compressed air from the back of the hole forward
4. After a uniform color is achieved, static mixer should be placed in the back of the hole. Extrude epoxy while pulling the static mixer out, filling hole half way
5. Rotate the bolt, rod, dowel or pin slightly as it is inserted to the back of the hole

SETTING PORTS & CAPSEAL CRACKS

Dab a small amount of epoxy to the back of a port and carefully center port over the crack. A centering nail may be helpful. Do not apply so much epoxy to the port that it could close off the hole. After setting the port, carefully butter the shoulder of the port and extend epoxy to 1/2 inch (1.3cm) on either side of the crack. Continue epoxy placement by buttering crack between ports. To avoid leaks under pressure, the epoxy should be applied to approximately 1/4 inch (0.64cm) thick. Do not place more epoxy once it starts curing or getting hot or sticky as this



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will compromise capseal and cause leaking. Once epoxy is placed, it should not be disturbed during the curing process. Cure time depends on air temperature and the mass of the epoxy. Normally a minimum of two hours is necessary for PolyTops Fast Set Epoxy to fully cure at 73°F (23°C). Capseal must be fully cured prior to injection repair of crack.

BONDING IRREGULAR SURFACES

Apply mixed PolyTops Fast Set to clean surface. Work material into the substrate for positive adhesion. Secure or clamp the bonded surfaces firmly into place until the epoxy has cured. Glue line should not exceed 1/8 inch (0.32 cm).

CLEANUP

Uncured material can be removed with xylene (xylol) or MEK. Cured material can only be removed mechanically.

LIMITATIONS

- Minimum substrate temperature should be 40°F (5°C)
- Do not thin. Solvents will prevent proper cure
- Concrete age should be a minimum of 7 days
- PolyTops Fast Set Epoxy is a vapor barrier when cured
- Do not allow mixed epoxy to reside in static mixer for more than 5 minutes or blockage may result.

STORAGE

Store at temperatures between 40°-95°F (5°-35°C). Shelf life is two years from date of manufacture in original, unopened containers.

CAUTIONS

Component A is an irritant

Component B is corrosive

Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves are recommended. Use with adequate ventilation. Corrosive to eyes. Causes skin irritation, sensitization or chemical burns. Respiratory tract irritant. Do not take internally. Keep out of reach of children.

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 MATERIAL SAFETY DATA SHEET 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.