

# Epoxies



## PRO-POXY 50

A solvent-free, moisture-insensitive, super low viscosity, high strength, two-component injection resin. It meets ASTM-C-881 Types I, II, IV & V, Grade 1, Classes B & C. It also meets USDA specifications for use in food processing areas. An excellent epoxy adhesive for use in crack grouting by pressure injection or gravity-feed, and for making epoxy mortars and grouts.

### Features

- Structurally restores integrity of concrete
- Super low viscosity
- Quality assurance with Z18 fluorescent tracer dye with only 10 psi, rebonds cracks too small to see
- Core samples fluoresce under black light for proof of penetration

### Usage

- Pressure-injection of hairline cracks in structural concrete, masonry, wood, etc.
- Delamination injection
- Wood beam injection
- Gravity-feed of cracks in horizontal concrete and masonry
- Epoxy resin binder for epoxy mortar patching and overlay of interior, horizontal surfaces

### Compliances

ASTM-C-881: Types I, II, IV & V, Grade 1, Class B, C

Meets USDA specifications for use in food processing areas

[Product Information/MSDS Sheet](#)

## PRO-POXY 200

A solvent-free, moisture-insensitive, 100% solids, medium-viscosity, two-component epoxy bonding agent and injection resin. Recommended for structural crack repair for larger cracks: 0.007-0.030 in/0.18-0.76 mm. Provides corrosion resistance to reinforcing steel and excellent adhesion to concrete.

The product meets ASTM-C-881 Types I,II,IV, V, Grade 2, Classes B & C. It also meets USDA specifications for use in food processing areas. An excellent epoxy adhesive for use in crack grouting by pressure injection or gravity-feed and for making epoxy mortars and grouts. PRO-POXY 200 is slightly thicker than PRO-POXY 204.

### Features

- Super strength
- Moisture insensitive
- Excellent adhesion
- Easy to use & mix - 1:1 ratio
- Fast set
- Corrosion inhibiting

### Usage

- Structural bonding of fresh to hardened and old to old concrete
- Structural crack repair for larger cracks, i.e. 0.007-0.030 in/0.18-0.76 mm
- Structural adhesive for concrete, masonry, metal, wood, etc
- Vertical anchoring of rebar, dowels and threaded rod

### Compliances

ASTM-C-881: Types I,II,IV & V, Grade 2, Classes B & C  
Meets USDA specifications for use in food processing areas. Tested to and certified against NSF/ANSI 61 by WQA

[Product Information/MSDS Sheet](#)

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## PRO-POXY 300 & 300 FAST

Both PRO-POXY 300 and 300 FAST are high-strength, two-component epoxy adhesive anchoring gels. They both meet USDA specifications for use in food processing areas.

### Features

- Permitted for use in wet or damp holes
- Freeze-thaw resistant, permitted in severe weathering locations
- Suitable for seismic conditions
- Allowed at close edge distances, shallow embedments
- Low odor
- For both solid and hollow-base materials

### Usage

- Chemical anchoring for bolts, dowels and pins
- Cap sealing and port setting
- Pressure-injection of cracks in structural concrete
- Bonding irregular surfaces

[Product Information/MSDS Sheet](#)

## PRO-POXY PRO-FLEX

A technologically advanced, semi-rigid, solvent-free, moisture-insensitive, non-sag vertical epoxy joint filler and sealer. Ideally suited for filling control joints

### Features

- Non-sag
- Excellent shock absorbing properties
- Easy to mix - 1:1 ratio between components
- Low modulus
- Insensitive to moisture before, during and after use

### Usage

- Filling vertical non-moving saw cut control joints and random cracks
- As a flexible, low modulus adhesive

[Product Information/MSDS Sheet](#)

## PRO-POXY TYPE III D.O.T.

A solvent-free, moisture-insensitive, 100% solids, low-modulus, two-component bonding agent. Meets ASTM C881, Type III, Grade 1, Classes B & C. Also meets USDA specifications for use in food processing areas. Excellent for use as a binder for concrete skid-resistant overlays on bridges and elevated slabs.

### Features

- Meets AASHTO-AGC-ARTBA
- Excellent bond strength
- Moisture insensitive, nonflammable
- High early strength
- Easy to mix - 1:1 ratio
- Low modulus, low viscosity

[Product Information/MSDS Sheet](#)

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# Epoxies



## MBT MASTERFLOW 648 CP

### Description:

Masterflow® 648 CP Plus grout is threecomponent modified epoxy-resin-based grout with variable fill rates. Masterflow® 648 CP Plus combines hightemperature performance and crack resistance with outstanding flow characteristics.

### Features/Benefits:

- High early and 7 day strengths with low creep
- Rapid turnaround
- Superior physical properties at high temperatures
- Unaffected by temperature extremes
- High flowability
- Excellent bearing area for even distribution of loads
- Variable fill ratio
- Optimum flowability, bearing area, and economics
- Resists acids, caustics, & solvents
- Ideal for heavy industrial environments and other chemicals



### Usage:

- Power generation
- Oil and gas transmission
- Pulp and paper mills
- Steel and cement mills
- Stamping and machining
- Water and waste treatment
- Chemical processing
- Metal recycling

### Packaging:

Masterflow® 648 CP grout is packaged in complete units. 230 LB FULL UNITS

#### Resin:

One 22 lb, 5 oz pail (10.1 kg)

#### Hardener:

One 7 lb, 9 oz bottle (3.4 kg)

#### Aggregate:

Four 50 lb bags (22.7 kg each)  
57.4 LB UNITS (Contained in a 6 gallon plastic overpack pail)

#### Resin:

5 lb, 9 oz (0.25 kg) in a 1 gallon pail

#### Hardener:

1 lb, 14 oz (0.85 kg) in a 1 quart bottle

#### Aggregate:

50 lb (22.7 kg) in a multi-wall paper bag

### Product Data Sheet

### MSDS Sheet

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