

### MEGAPOXY 206

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## Heavy-duty grout

### Summary

Megapoxy 206 is a two component, flowable, 100% solids, solvent-free hydrophilic epoxy grout suitable for:

- Grouting machinery
- Locking bearings
- Setting anchor bolts
- Chocking of machinery
- Rail track grouting
- Bridge bearing pads

Megapoxy 206 part A is a yellow thick liquid and is packed in a re-sealable plastic container.

Megapoxy 206 part B is a blue thin liquid and is supplied in a screw-capped plastic bottle.

	25°C	15°C
<b>Work time</b>	30 min.	60 min.
<b>Setting time</b>	6 hours	12 hours
<b>Cure</b>	24 hours	48 hours

### Availability

Megapoxy 206 Heavy Duty Grout is available in 6.0 litre and 17 litre kits.

### Product specification

	Part A	Part B
<b>Colour</b>	Yellow.	Blue
<b>Viscosity cP at 25°C</b>	10,000-14,000	1000-2000
<b>Specific gravity</b>	1.6	0.9

**Flash point:** Above 100°C

**Shelf life:** 2 years min.

### Kit processing data

**Kit size:** 6.0 litres

**Part A:** 7.9 kg

**Part B:** 1.0 kg

### Cured properties

**Tensile strength – ultimate:** 40 - 45 MPa

**Tensile shear strength ASTM D695-96:** 11-13 MPa

**Compressive strength ASTM D695-96**

- 60 MPa, 24 hours

- 100 MPa, 7 days

**Adhesion to concrete:** >2.8 MPa concrete fails

**Application temperature:** >5\* Celsius

**Flexural strength ASTM D695-96:** 30 Mpa

**All tests conducted at 25\* Celsius**

#### Method of use

1. Seal all crevices with Megapoxy PF (rapid set putty), so that grout mixture does not leak out.
  2. Stir Megapoxy 206 part "A" first. Add Megapoxy 206 part "B" slowly with continual mixing.
  3. Using a low speed electric drill mix until uniform Green appearance, approximately 3 minutes.
  4. Megapoxy 206 must be used immediately after mixing.
  5. If ambient temperature is high, Megapoxy 206 should be stored in a cool place until used. High ambients will lead to shortened usable life.
  6. Topping up can be carried out at a later date when convenient.
  7. If adhesion is not required, formwork surfaces should be coated with wax or grease based release agent.
  8. Allow Megapoxy 206 to harden before applying stress.
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#### Steel anchoring

For anchoring steel into concrete drill a hole approximately 1.5 diameters of the steel to be grouted. Any dust or foreign matter must be blown out with oil-free, dry compressed air. Set the steel into the hole and pour the above Megapoxy 206 formulation from one side to allow air to escape. The steel should be grit blasted and degreased to achieve good bond.

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#### Typical pull-out strength 40 MPa concrete

- 14 mm deformed bar inserted to depth 10 x diameter of bar: >50 kN
  - 25 mm deformed bar inserted to depth 8 x diameter of bar: >150 kN
  - 14 mm deformed bar inserted to depth 8 x diameter of bar: >50 kN
  - 25 mm deformed bar inserted to depth 10 x diameter of bar: >150 kN
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#### Technical service

All purchasers of MEGAPOXY products are invited to avail themselves of our technical service on epoxy base materials. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.

**Please do not hesitate to contact us, for any additional information.**