

MASTERGROUT EP 150 G

LOW VISCOSITY EPOXY RESIN INJECTION GROUT

DESCRIPTION

MASTERGROUT EP 150 G is a two pack epoxy resin system with special properties in built to suit for injection grouting and for granting gap widths of 0.25 to 10 mm.

FEATURES / ADVANTAGES

- Excellent flowability which is required for an injection grouting.
- Both early and ultimate strengths are high.
- It has a good chemical resistance.
- Because it is solvent free epoxy resin system, it takes care of the shrinkage problem. This non-shrink nature helps to maintain strong bond with contact surface.

TYPICAL APPLICATIONS

- Can be applied in crack injection and for filling cold joints.
- For filling base plates and bolt pockets with gaps less than 10mm.
- It is an ideal product for repairs, rehabilitation of structure showing hair line cracks (Rehabilitate cracked load bearing elements of bridges, girders, columns, beams etc.)
- To fill up cracks in roof slabs and other areas to make them waterproof.

TYPICAL CHARACTERISTICS

- Nature : two component liquid
- Color : Pale Yellow
- Mixing ratio, parts by wt. : part 1(base) : part 2(hardener)
77 : 23
- Pot life at 25°C : 20 to 25 minutes
- Setting time at 25°C : 8 to 10 hrs
- Curing time at 25°C : 36 hrs
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ENGINEERING DATA

- specification complies : ASTM-C 881-78, Type 3, grade 1, class B or C
- Compressive strength N/mm² : 68
- Flexural strength N/mm² : 56
- Tensile strength N/mm² : 30
- Young modulus, N/mm² : 16

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DIRECTION FOR USE

METHOD OF APPLICATION

All the cracks where the grouting has to be done are identified. Nipples are inserted into the cracks after drilling holes at regular intervals. Fix the nozzle with epoxy adhesive. Seal the cracks with epoxy adhesive or elastic polysulphide sealant, Techseal RDL 940. Through the nozzles using a low pressure injection grouting system Mastergrout EP-150-G is injected. All care should be taken to see that the mixed material is injected well before the given pot life.

MIXING

Mix part 1 and part 2 thoroughly and homogeneously.

CONSUMPTION

About 1.08 kg of material is required to fill up 1000cc volume gap.

CLEANING OF TOOLS & EQUIPMENTS

Tools and equipment's can be cleaned with epoxy thinners like Xylene or Acetone etc.

STORAGE AND SHELF LIFE

The shelf life is one year from the date of manufacture when stored in original, unopened containers. Store in a cool and dry place.

PACKING

1 liter, 5 liters & 20 liters.

PRECAUTIONS

- Material should be handled with gloves
- When it falls on the skin, use plenty of water & soap to wash the skin
- When it is splashed on to the eyes, wash eyes with plenty of water and take medical advice