

# Cipoxy EG 200

Grouts

Cipoxy EG 200

A low viscosity, room temperature curing epoxy resin system for injection grouting. Cipoxy EG 200 is a solventless epoxy resin, which in combination with polyamine hardener cures into hard mass.

## The combination is characterized by:

- Good flexibility of cured mass.
- Excellent mechanical properties
- Excellent adhesion.
- Low exotherm and long pot life.
- Ability to cure in moist conditions.
- Very low viscosity.

## PROPERTIES OF THE COMPONENTS

1	Type Resin Hardener	Solventless , modified epoxy Resin Polyamine
2	Viscosity at 27° C Resin Hardener Mixed solution	25 - 35 sec 20 - 30 sec 30 - 35 sec
3	Density (gm/cc) Resin Hardener Mixed solution	1.10 - 1.16 0.97 - 1.03 1.07 - 1.12
4.	Flash Point	Above 100° C
5.	Ratio	4 : 1 (by weight)
6.	Pot life at 27° C	30 - 35 min.

## PROPERTIES OF CURED RESIN:

1	Flexural strength (MPa)	40 (limiting bending)
2	Compressive Strength (Mpa)	50
3	Impact strength (KJ/m <sup>2</sup> )	16
4	Hardness (Shore D)	75

## Mixing Proportion And Processing

1. 100 parts by weight of Cipoxy EG 200 resin
2. 25 parts by weight of Cipoxy EG 200 hardner.
3. Mix well at room temperature
4. Use the mixture within 30 minutes.

## TYPES OF APPLICATION

- The mixture can be pressure grouted at a pressure not exceeding 3 kg/cm<sup>2</sup>
- The mixture can be applied as a primer coat for bonding concrete to epoxy mortar.

Dried fillers such as silica can be incorporated in the mixture to make epoxy mortar which can be used as repair mortar to dress expansion joints edges.