

ArmGrout Inject EP-LV

(Formerly known as MYK GROUT Inject E-200 LV)

Ultra-Low viscous epoxy resin injection Grouting material



TECHNICAL DATA SHEET

Product Description

ArmGrout Inject EP-LV is a two-part epoxy resin system for grouting gaps ranging from 0.2 mm to 10 mm. It is a two-part system consisting of a base and hardener.

Uses

- This is the most ideal product for repairs and rehabilitation of structures showing hair line cracks.
- It is used to fill up Cracks in roof slabs and other areas to make them structurally sound.
- Low viscosity - can be injected into cracks and honey combs to strengthen structural members having high density.

Features and Benefits

- Low viscosity allows to penetration into finest cracks
- Formulated for hot climates
- Low creep characteristics
- High compressive, tensile and flexural strengths
- Fast, convenient pumping
- Withstands a wide range of chemicals
- Suitable for structure repairs,
- Adheres to concrete with no loss of bond

Application Methodology

Step no.1: Application Instructions:

Prepare the surface and seal the cracks with a sealing compound which can also be used for bonding injection nipples. Depending on the crack width and depth the distance between nipples should be 200 to 500 mm.

Step no.2: Mixing and Placing:

Pour all the contents of the hardener pack into the base container. Mix using a slow speed power mixer for 60seconds. Use a suitable pressure pump for injecting the material into cracks. The low Viscous Epoxy injection system is to be injected well before the pot life. After 24 hours remove the nipples and seal the holes or voids with more sealing the compound and allow curing.



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Technical Data

Pot life: - (FIP 5.1)

Ambient temperature affects the time for which bulk material will remain fluid.

Typical values in minutes are: 100 gms mixed mass)

ArmGrout Inject EP-LV	At 20°C	At 35°C
	120 minutes	60 minutes

Specification clause: - ArmGrout Inject EP-LV will meets the requirements of the ASTM C 881, Type I, II, IV, Grade-II and class C.E and F.

Mechanical Properties: - The following results are typical for the cured grout at 30°C.

Test Property	Typical result
Mixed density (Gm/cc) (IS 9162)	Approx. 1.04
Mixed Viscosity, 30°C	Approx. 1 Poise
Compressive strength (IS 9162)	3 days 7 days Approx 40 N/mm ² Approx 70 N/mm ²
Tensile strength (7 day) (IS 9162)	Approx 24 N/mm ²
Flexural strength (7 day) (IS 9162)	Approx 55 N/mm ²

Chemical Resistance: - as per (ASTM 1308)

ArmGrout Inject EP-LV is resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh and sea water.

Exotherm:

All epoxy systems will develop a temperature rise on mixing. Its extent will be a function of the volume to surface ratio, the ambient temperature as well as the mass and thermal conductivity of the surrounding materials.

Consumption

Approx. 1.04 kg of material is required for filling up of 1000cc 1 letter (depending on the porosity of the substrate.)

Packaging

4.5 Kg of composite pack (B+H)

Storage and Shelf Life

12 Months if sealed pack and stored under cool and dry shaded area.

Health & Safety

ArmGrout Inject EP-LV should be handled with gloves. When come in contact with skin, eyes or other parts of the body clean with plenty of water and soap and medical advice has to be taken.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.