Roka Inject EP

Two Component, Low Viscosity Epoxy Based Injection Grout

Roka Inject EP is a two component, low viscosity grout based on epoxy resins and hardeners.

It is a highly fluid grout used for injection into cracks in masonry and concrete.

Uses & Advantages:

- Easy to apply.
- Highly fluid.
- High strength.
- Excellent adhesion.
- Penetrates deep into cracks and fissures.

Fields of Application:

Roka Inject EP is used for structural repair of cracked concrete for

- Retaining walls.
- Bridge structures.
- Parking structures.
- Earthquake damages.

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Technical Information:

Chemical Base	Epoxy resin
Density	1.05 at 20°C
Mixing Ratio	Base : Hardener = 3 : 1
Viscosity	350 cP at 20°C
Pot Life	35 minutes at 20°C
Full Cure	7 days
Chemical Resistance	Good
Packaging	5 & 10 kg
Shelf life	12 months if kept in recommended conditions
Storage	Store in a dry, shaded area in unopened and undamaged packaging and away from direct sunlight.

Surface Preparation:

Before the application, the surface must be sound, dry, clean and free from any foreign contaminants like oil, grease and laitance etc. Rake out all the cracks using oil free compressed air to allow the grout to penetrate.

Mixing:

Add the hardener to the base and mix for at least 3 minutes using a drill with a suitable paddle attachment. Only mix enough material that can be used within 15 minutes after mixing.

Application:

Roka Inject EP can be gravity fed, or pressure injected into horizontal cracks. For vertical and horizontal applications always by a pump. For horizontal cracks, form a weir on either side of the cracks using a silicone sealant or other suitable material. Place the mixed grout into the cracks and maintain the level of the liquid by topping up the grout. Once saturated, allow the material to gel. Remove the excess and weir with a scrapper.

For vertical and overhead applications, prepare the cracks to be grouted by bonding the injection ports over the cracks using a suitable bonding agent. Set the mix ratio of the pump to 3 to 1 by volume and pour the individual components of Roka Inject EP into the respective tanks. Commence grouting starting from the lowest placed injection port and continue pumping until Roka Inject EP appears at the next port. Seal the first port and continue grouting from the second port. Ensure that the operation is completed in one go. Let the material harden for 24 hours and then grind off the injection ports and excess epoxy.

Cleaning:

Clean all the tools and equipment immediately after using Roka Thinner or Roka Xylene.

Health and Safety:

Use of safety clothing, goggles and gloves is recommended while handling Roka Inject EP. Avoid contact with skin and eyes. If it comes in contact with skin immediately wash with clean water. If it splashes into eyes, immediately wash with plenty of water and seek medical attention.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

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