

Injection

PRODUCT DESCRIPTION

Mapepoxy BI-R is based on a very low viscosity epoxy, cured with an aromatic amine. The product has a long pot life and cure time.

AREA OF USE

Mapepoxy BI-R is a specially formulated epoxy for injection into concrete and rock, where an epoxy with a longer pot life than **Mapepoxy BI** is needed.

Mapepoxy BI-R is a special variant of the standard product **Mapepoxy BI**.

Mapepoxy BI-R can be used for injection into fine hairline cracks (0.1 – 0.2 mm) which are too narrow for cement injection. The cracks will not only be filled but will be glued together.

Mapepoxy BI-R cures well at low temperatures and in damp conditions. It is especially suitable for grouting of concrete plugs and large voids.

Mapepoxy BI-R has a higher mechanical strength than cement, therefore the original monolithic nature of the concrete will be almost completely restored. With a successful injection the structure can regain more than 90% of its original strength.

Water leaks can be stopped and corrosion protection safeguarded.

DIRECTIONS FOR USE

Injection

Use the same procedure as for other injection materials.

Mixing

The components must be mixed thoroughly for at least 4 minutes using a drill with whisk attachment.

Cleaning

Clean equipment immediately after use with Rescon Mapei Tynner. Cured material must be removed mechanically.

SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate HSE data sheet at www.resconmapei.com

WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone, is fully responsible for any consequences deriving from the use of the product.

All deliveries from Rescon Mapei AS are made in accordance with the sale- and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement of an order.

TECHNICAL SPECIFICATIONS

Specific weight:	1.15 g/cm ³
Viscosity at +20°C:	300 cP.
at +5°C:	860 cP.
Pot life at +20°C:	> 1 hour.
Mixing ratio:	Comp. A : Comp. B = 2 :1 (by weight).
Colour of resin:	Red.
Colour of hardener:	Dark brown.
Packaging:	4.95 kg sets.
Storage:	Stored frost free in unopened packaging, product properties remain unchanged throughout the first 24 months.