MC-Fastpack Injekt LE

Expansion resin for waterproofing and increasing the load-bearing capacity of buildings and consolidating the building site

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Low-viscosity polyurethane-based expansion resin
- High increase in volume, no resqueezing
- Water-displacing
- Durable water impermeability
- Pressure-resistant, dampening vibrations
- Low relaxation
- Corresponds to fire class B2 according to DIN 4102 in the injection medium
- No lasting effects on soil and groundwater according to the test principles of the DIBt
- REACH exposure: water contact permanent, inhalation periodic, processing and application

AREAS OF APPLICATION

- Stopping extreme water leakages in structures and sewage structures
- Cavity filling up to 60 cm in diameter (without aggregate)
- Partial reinforcement of structures
- Closing penetrations and anchor holes
- Waterproofing of hydraulic structures
- Waterproofing of pipe and liner connections to manhole/shaft structures of underground infrastructure
- Sealing injection of manhole ring joints, pipe penetrations, socket joints
- Partial increasing the load-bearing capacity of the building site
- Manual application with the MC-Fastpack Power-Tool

APPLICATION ADVICE

Preparatory measures: Prior to injection, an investigation of the structure and any leaks must be carried out according to the state of the art and the rules of technology and an injection concept must be planned. Packers must be set before injection. A trial injection is recommended.

Mixing the components: Components A and B of MC-Fastpack Injekt LE are mixed as they pass through the static mixer of the cartridge system as application proceeds and can be injected directly.

The working time of the resin depends on the ambient temperature. Cooling the cartridges can extend the working time. Heating shortens the working time.

Injection: Two-component injection is implemented with the MC-Fastpack Power-Tool (interchangeable cartridge tray 1:1/2:1) at low injection pressure.

MC-Surface Packer LP or MC-Hammer Packer LP 12 packers are recommended for the injection work.

In case of dimensional tolerances of the mixer tip to the plug-in connection of the packer, the mixer tip can be wrapped with Teflon tape to ensure the tightness of the connection.

The content of the cartridge must be emptied quickly in one process step to avoid kickback. The injection should not be interrupted due to the high reactivity of the resin.

MC-Fastpack Injekt LE expands limited extent to form a tough-elastic, closed-cell rigid foam. Post-injection against hardened hard foam is not possible.

The injection can be carried out in frost-free foundation soil regardless of the foundation soil temperature if the resin temperature is 5 to 30 ° C.

Ensure compliance with the information given in the specifications and the Safety Data Sheets.

Equipment cleaning: The cartridge system means that the equipment is unlikely to need cleaning. If soiling does occur, all solvent-resistant tools can be cleaned with MC-Cleaner eco or thinner product MC-Verdünnung PU. Material that has reacted or set will need to be removed mechanically.

Note: Cartridges must be completely emptied after opening. Opened cartridges cannot be stored.

MC-Building Chemicals Müller & Partner
Killycard Industrial Estate · Castleblayney, Co. Monaghan
Phone +353 42 97 51 520 · Fax +353 42 97 49 361
info@mc-buildingchemicals.ie · www.mc-bauchemie.ie

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	1 : 2	comp. A : comp. B
Density	kg/dm³		DIN 53479
		approx. 1.14	mixture
		approx. 1.05	component A
		approx. 1.23	component B
Viscosity	mPa·s		EN ISO 3219
		approx. 265	component A
		approx. 210	component B
Working time	seconds	approx. 4 - 5	ASTM D7487
Application conditions	°C	5 - 40	component and subsoil temperature
Reaction time, pot life	seconds	approx. 23 - 24	tack-free property
Expansion factor		approx. 32	depending on backpressure
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

Colour	yellowish
Equipment cleaning agent	MC-Verdünnung PU (thinner), under no circumstances should water or aqueous cleaning agents be used
Delivery form	400 ml double-chamber cartridge with a volume ratio of 2 : 1 8 cartridges with 8 static mixers per box.
Storage	Can be stored in original sealed packages at temperatures between 5°C and 35°C in dry conditions for at least 18 months.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : PU40

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