MC-Fastpack EP solid

High reactive universal adhesive for rigid glueing and coating

Product properties

- Ready-to-use 2-component epoxy-based duromer resin
- Thixotropic, stable, putty consistency
- Good adhesion on dry and humid mineral, metallic and ceramic surfaces
- High tensile and compressive strength, rapid development
- Applicable at very low temperatures
- Curing under water
- Comfortable processing of double chamber cartridges with MC-Fastpack Power-Tool
- High chemical resistance against acids and alkalis
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Areas of application

- Glueing of concrete and steel (e. g. anchors, mounting parts)
- Glueing of adhesion packers for injection (e. g. MC-Surfacepacker LP)
- Sealing of cracks at injection jobs, closing of cracks and flat joints
- Closing / levelling of bore holes, pores and cavities (epoxy filler)
- Small-scale coating repairs
- Permanent connection of CIPP liners and manholes

Application

Preparation
The surface has to be sound and must be free of loose particles and parts that might debond. It can be dry to humid (change in colour due to presence of humidity, but no standing water). Preliminary spindle moulder applications enhances the ingress in cracks and fissures.

Mixing of Components
MC-Fastpack EP solid consists of two components, component A and component B. Both components are delivered in ready-to-use double chamber cartridges. The volume ratio of the cartridge corresponds to the mixing ratio of 2 : 1. The mixing takes place in the static mixer of the cartridge system.

Application
The application of the adhesive from the cartridge is performed with MC-Fastpack Power-Tool. The mixed product must appear in uniform colour. Depending on the application MC-Fastpack EP solid can be processed with putty knifes or steel floats.

After being applied, the adhesive should be carefully incorporated into the substrate. In drill holes and anchor holes a redensification by a plug is recommended. The mixing head can be extended for application in deep holes.

The application time of MC-Fastpack EP solid is influenced by temperature of the material itself, layer thickness and substrate temperature. If the application is interrupted for longer than the application time, the static mixer should be replaced by a new one. Opened cartridges should be closed with the original sealing cap and used as soon as possible (max. within 7 days).

Special Note
Chemical stress and exposure to light may cause changes in colour that generally do not impair the serviceability.

Machine Cleaning
Within the application time all tools can be cleaned with MC-Verdünnung EP (MC-Thinner EP). Partially and completely cured material can only be removed mechanically.

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Technical Data for MC-Fastpack EP solid

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	2 : 1	component A : component B
Density	kg/dm³	approx. 1.5	DIN EN ISO 2811-1
Viscosity component A component B mixture	Pa·s	approx. 100 approx. 35 approx. 80	DIN EN ISO 3219
Consistency	-	pasty	stable up to approx. 10 - 15 mm
E-modulus	MPa	approx. 5.800	DIN EN ISO 178
Compressive strength	MPa	approx. 85	DIN EN ISO 604
Adhesive tensile strength (concrete)	MPa	≥ 2.5	DIN EN ISO 1542, 100 % break in concrete
Adhesive tensile strength development (blasted steel)	MPa	approx. 10 approx. 15 approx. 20	after 4 hours EN ISO 4624 after 8 hours EN ISO 4624 after 24 hours EN ISO 4624
Humidity of surface	-	dry up to slightly humid	mineral surfaces without pore water
Application time	minutes	approx. 7	depending on temperature
Application temperature	°C	+ 2 to + 40	structure and substrate temperature

* All technical values relate to 21 ± 2 °C and 50 % relative humidity.

Product Characteristics for MC-Fastpack EP solid

Cleaning agent	MC-Verdünnung EP
Colour	Grey
Delivery	400 ml double chamber cartridges with a volume ratio of 2 : 1 8 cartridges in a box, 10 static mixers and 4 extension tubes.
Storage	Can be stored in original sealed cartridges at temperatures between + 10 °C and + 35 °C in dry conditions. The shelf life is at least 24 months. The same requirements are valid for transport.
Disposal	Cartridges must be emptied completely.

Safety Advice
While processing appropriate gloves, protection clothing and safety goggles are mandatory. Please take notice of the safety information and advice given on the packaging lables and safety data sheets. GISCODE: RE1

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