

# MC-Fastpack 2700

## Rigid waterproofing injection resin

### Product properties

- Low-viscous, polyurethane-based duromer resin
- Manual application with the MC-Fastpack Power-Tool
- Very short reaction time
- Viscoplastic and hard when fully reacted
- Limited foaming when mixed with water
- Fulfils KTW requirements of test groups D1 and D2, confirming compatibility with potable water
- Fulfils requirements of DIBt bulletin "Evaluation and effects of construction products on soil and ground water" (11/2000)

### Areas of application

- Sealing and strengthening of cracks and cavities in loose rock, mountain rock and similar areas
- Sealing of pipe couplings, shaft ring joints etc.
- Sealing of sheet pilings, diaphragm walls and the like on ground water level
- Sealing of leakages in drinking water structures
- REACh-assesed exposure scenarios: long-term water-contact, periodical inhalation, application

### Application

#### Preparation

Before injection the structure, the leaking areas, respectively, have to be inspected according to technical standards and regulations and an injection concept is to be prepared.

#### Components

MC-Fastpack 2700 consists of two components (A and B). Both components are supplied in a double chamber cartridge. The volume ratio of the cartridge corresponds to the mixing ratio of 1 : 1 parts by volume. Mixing takes place in the static mixer of the cartridge system. Reaction times depend on temperature.

#### Injection

Injection is carried out by a pneumatically operated discharger for double chamber cartridges which produces sufficient discharging pressure (MC-Fastpack Power-Tool).

In contact or mixed with water, MC-Fastpack 2700 foams up in a limited manner to a solid, visco-

plastic foam. A subsequent injection into completely cured material is not possible. For injection MC-Hammerpacker LP 12 are recommended.

The processing time is affected by the temperature of the resin and the environment. If injection is interrupted for longer than the processing time permits, the static mixer is to be replaced by a new one. Opened cartridges must be closed with the original sealing cap and used as soon as possible, but maximum within 7 days.

Work with MC-Fastpack 2700 must be stopped if the temperature of the structure drops below + 6 °C.

#### Machine cleaning

Thanks to the cartridge based system the usual application does not lead to any contamination of tools. Should anyhow some equipment get contaminated with resin it can be cleaned within processing time with MC-Verdünnung PU. Cured material can only be removed mechanically.



## Technical Data for MC-Fastpack 2700

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	1 : 1	Component A : component B
Density	kg/dm <sup>3</sup>		DIN EN ISO 2811-1
- Component A		approx. 1.00	
- Component B		approx. 1.23	
- Mixture		approx. 1.13	
Viscosity	mPa·s	approx. 200 ± 50	DIN EN ISO 3219
Compressive strength	MPa	> 75	DIN EN 196 T1
Shore A-hardness		approx. 90	ISO 868
Volume increase in contact with water		1 - 10 times	Depending on counterpressure
Reaction time	seconds	approx. 30	
Application temperature	°C	+ 6 to + 35	Air, substrate and material temperature

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

## Product Characteristics for MC-Fastpack 2700

Cleaning agent	MC-Verdünnung PU Under no circumstances, water or water-based cleaning agents should be used.
Colour	Brown
Delivery	400 ml double chamber cartridge with a volume ratio of 1 : 1 8 cartridges with 10 static mixers per box
Storage	When stored in original sealed cartridges at temperatures between + 5 °C and + 25 °C in dry conditions the shelf life is at least 1 year. The same applies to the 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 labels and safety information leaflets. GISCODE: RE1

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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