



# MC-Fastpack PU solid

## High Reactive Universal Adhesive for Rigid Binding of Concrete and Steel, Sealing and Coating

### Product properties

- Ready-to-use, two-component rigid polyurethane adhesive
- Thixotrop, stable, putty consistency
- Good adhesion on dry and slightly damp mineral and metallic surfaces
- Rapid strength development
- High compression- and tensile strength
- Crack-bridging, elastic
- Comfortable hand application by means of double-chamber cartridges with the MC-Fastpack Power-Tool

### Areas of application

- Bonding of mineral and metallic building materials (e. g. concrete, steel, synthetics)
- Bonding of adhesion packers for injection (e. g. MC-Surfacepacker LP)
- Sealing and bandage of cracks / Sealing of cracks and kerfs
- Filling / levelling of drill holes
- Small-area repair of coatings
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

### Application

#### Preparation

The substrate must be sound and free from loose particles and any other contaminants. It may be dry or slightly damp (change in colour caused by water, but without standing water).

#### Mixing

MC-Fastpack PU solid consists of two components, component A and component B. Both components are supplied in a ready-to-use double-chamber cartridge. The volume ratio of the cartridge corresponds to the mixing ratio of 2 : 1 p.b.v. Mixing takes place in the static mixer of the cartridge system.

#### Application

Application of the adhesive from the cartridge is carried out using the MC-Fastpack Power-Tool. The mixed product must show a uniform colour. Depending on application MC-Fastpack PU solid may be finished using squeegees or steel floats.

Following application the adhesive should be worked in thoroughly. For drill holes and anchor holes a redensification by means of a plug is recommended. The mixing head may be extended for application into deep holes.

The reaction time of MC-Fastpack PU solid is

affected by the adhesive and substrate temperature and the layer thickness of the adhesive. If application is interrupted longer than the reaction time of MC-Fastpack PU solid, the static mixer is to be replaced. Opened cartridges should be closed with the original sealing cap and used as soon as possible.

#### Equipment Cleaning

Within the workability time all additional used equipment may be cleaned with MC-Verdünnung PU. Partially and completely cured material can only be removed mechanically. MC-Fastpack system components doesn't require any cleaning.

#### General Information

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

#### Safety Advice

MC-Fastpack PU solid has to be marked according to ordinance on hazardous substances. Please take notice of the safety information and advice given on the packaging labels and safety information sheets. Application of MC-Fastpack PU solid in cartridges offers a maximum of safety.



## Technical Data for MC-Fastpack PU solid

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	2 : 1	component A : component B
Density	kg/dm <sup>3</sup>	approx. 1.6	DIN EN ISO 2811-1
Viscosity component A component B	Pa·s	approx. 180 approx. 966	DIN EN ISO 3219
Consistency	-	pasty	stiff up to approx. 10 - 20 mm
Shore-A-hardness	-	approx. 80 - 90	ISO 868
Maximum expansion	%	approx. 20	DIN 53455
Adhesive tensile strength (concrete, 24 h)	MPa	3.39	DIN EN ISO 1542, break with 100 % in concrete
Residual moisture	-	dry up to slightly humid	mineral surfaces without pore water
Workability time	minutes	approx. 10	depending on temperature
Application conditions	°C	+ 5 to + 30	air, material and substrate temperature
Curing time (early strength)	minutes	40/60/80	for thickness layer 10/3/1 mm

\* All technical values relate to 20 °C and 50 % relative humidity.

## Product Characteristics for MC-Fastpack PU solid

Cleaning agent	MC-Verdünnung PU
Colour	grey
Delivery	400 ml double-chamber cartridge with a volume ratio of 2 : 1 8 cartridges with 10 static mixers per box.
Storage	Can be stored in original sealed cartridges at temperatures between + 5 °C and + 25 °C in dry conditions for at least one year. The same requirements are valid for transport.
Disposal	Cartridges must be emptied completely.

### Service

Individual consultation for project-specific application is provided by our technical service. Same is valid for corresponding application device and static mixers. GISCODE: PU40

**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.

Edition 03/14. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.