



MC-Adhesive PU solid

Universal adhesive for bonding building materials, bandaging and tamping of cracks, gluing of packers

Product properties

- High-viscous, polyurethane-based two component adhesive
- Easy to mix
- Viscoplastic
- Trowelable
- Thixotropic, solid
- Good adhesion on mineral and metallic surfaces
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Areas of application

- Bonding of mineral and metallic building materials and various plastics
- Bandaging cracks
- Bonding adhesive for adhesion packers for injection works
- Sealing of cracks and open cavities

Application

Product Description

MC-Adhesive PU solid is a two-component, high-viscosity universal adhesive for bonding various mineral and metallic building materials, such as concrete, stone, steel, various plastics, bandaging and sealing cracks, gluing packers for injection. MC-Adhesive PU solid convinces with comfortable and good processability and fast hardening.

Mixing

MC-Adhesive PU solid consists of two components, component A (base) and component B (hardener). The components are to be mixed homogeneously with each other in the given mixing ratio with slowly rotating mixers. Mixing time 2 min, then repot and mix for another minute.

Before use the mixed resin has to be refilled into either a clean empty pack or into a pack which has been used exclusively for mixed resins of equal quality.

MC-Adhesive PU solid can be processed directly after mixing. The adhesive is optimally stable for processing on horizontal, vertical and overhead works.

For special applications, the adhesive can be adjusted to a further increased consistency with MC-Stellmittel TX 19 (1 - 2 mass-%).

The processing time is approx. 30 min with room climate. It depends on the mixed amount of adhesive and the ambient temperature.

The time to mechanical load is about 4 hours at 20 ° C. It is influenced by and substrate temperature, layer thickness and ambient temperature.

Processing

The product MC-Adhesive PU solid is processed with a spatula or trowel.

Cleaning

Within the pot-life all equipment can be cleaned with MC-Verdünnung PU (MC-Thinner PU). Partially or completely cured material can only be removed mechanically.



Technical Data for MC-Adhesive PU solid

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. w.	7.35 : 1	component A : component B
Density of mixture		1.703	
Density component A	kg/dm ³	1.8	DIN 53 479
Density component B		1.22	
Texture	-	pasty	
Tensile strength (24 h)	N/mm ²	12.93	DIN EN ISO 527-1, dumbbell specimen
Elasticity (24 h)	%	14	DIN EN ISO 527-1, dumbbell specimen
Shore A hardness (24 h)	-	90	DIN ISO 7619-1
Application time	minutes	20	
Application temperature	°C	+ 5 to + 40	Component and substrate temperature
Pull-off strength on concrete			DIN EN ISO 4624, Stamp 50 mm,
after 24 h	N/mm ²	3	300 N/s
after 7 d		4.56	
Pull-off strength on steel			DIN EN ISO 4624, Stamp 50 mm,
after 24 h	N/mm ²	3.9	300 N/s

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

Product characteristics for MC-Adhesive PU solid

Colour	grey
Delivery	2.5 and 5 kg packs
Cleaning agent	MC-Verdünnung PU (MC-Thinner PU) Under no circumstances water or water-based cleaning agents should be used.
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 35 °C in dry conditions for at least 18 month. The same requirements are valid for transport.
Disposal	Packs must be emptied completely.

Safety advice:

Please take notice of the safety information and advice given on the packaging labels and safety information leaflets. 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 06/20. 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.