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

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
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

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, for bandaging and sealing of cracks, and for 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.

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.

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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 Density component A Density component B	kg/dm³	1.703 1.8 1.22	DIN 53 479 DIN 53 479 DIN 53 479
Texture	-	pasty	
Application time	minutes	20	
Application temperature	°C	+ 5 to + 30	Air, substrate and material temperature
Tensile strength (24 h)	N/mm²	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
Pull-off strength on concrete after 24 h after 7 d	N/mm²	 1.29 4.56	Stamp 50 mm, 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 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 months. 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

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