



MC-DUR Kleber PU 47

Plugging and Sealing Adhesive

Product Properties

- Paste-like, polyurethane-based adhesive
- Adjustable to filler consistency
- Controllable reaction time
- Good adhesion to mineral and metallic surfaces
- Elastic crack-bridging

Areas of Application

- Fixing of adhesion-packers for injections
- Tamping of cracks and open voids for force-fit and non-force-fit injections in construction- and civil-engineering under dry conditions
- Fixing of mineral and metallic construction materials
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Application

Preparation

Before injection, the structure's cracks and voids have to be inspected according to technical standards and regulations, and an injection proposal is to be planned.

Mixing

MC-DUR Kleber PU 47 consists of two components, component A (base) and component B (hardener) which have to be mixed according to the advised mixing ratio and thoroughly blended with a slowly rotating mechanical mixer.

Before use the mixed reaction 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-DUR Kleber PU 47 is paste-like and can be adjusted to the desired consistency by adding MC-Stellmittel TX 19 (3 - 5 mass-%), depending on object.

Pot life depends on the mixed quantity and the ambient temperatures.

The reaction time of MC-DUR Kleber PU 47 can be kept constant at lower temperatures by adding accelerators typ red or typ blue. The temperature-sensitive dosages can be found in the following table. The respective amount of accelerator must be stirred thoroughly into the ready mixture.

Added accelerator on 1 kg of MC-DUR Kleber PU 47:

Temperature of Structural Part	Added Accelerator
+ 15 °C	5 ml
+ 10 °C	10 ml
+ 5 °C	15 ml

Application

MC-DUR Kleber PU 47 is applied using a trowel or float.

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-DUR Kleber PU 47

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. w.	6 : 1	component A : component B
Density	kg/dm ³	1.5	DIN 53 479
Application time	minutes	20	
Application temperature	°C	+ 5 - + 30	air, substrate and material temperature

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

Product Characteristics for MC-DUR Kleber PU 47

Colour	grey
Cleaning agent	MC-Verdünnung PU (MC-Thinner PU) water or water-based cleaners must not be used under any circumstances
Delivery	Box à 6 x 1 kg and 2.5 kg pack Beschleuniger Rot (1 kg pack) for the acceleration of the 1 kg packs MC-DUR Kleber PU 47 Beschleuniger Blau (1 kg pack) for the acceleration of the 2.5 kg packs MC-DUR Kleber PU 47
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 25 °C in dry conditions for at least 1 year. 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 sheets. 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 ur 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 08/12. 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.