

MC-DUR 1260

Rigid Binding Injection Resin

Product Properties

- Low-viscosity, epoxy-based duromer-resin
- Rigid hardening

Areas of Application

- Rigid filling of cracks, joints and voids in building construction and civil engineering under dry conditions in concrete and masonry
- Sealing of cracks
- Fixing of adhesion packers by adding thixotropic agents
- REACh-assessed exposure scenarios: periodical inhalation, application

Application

Preparation

Before injection is carried out, the structure has to be inspected according to technical standards and regulations, and an injection proposal is to be planned.

Mixing

MC-DUR 1260 consists of two components, component A (base) and component B (hardener). The components have to be mixed according to the advised mixing ratio and must be thoroughly mixed with a slowly rotating mechanical mixer.

After mixing the material should be filled into clean container and briefly mixed again (re-potting). The re-potting is complete when the reaction resin has been filled into the storage container of an injection pump and when it has been shortly remixed. The pot life depends on the prepared amount and the ambient temperatures.

Sealing and Bonding

MC-DUR 1260 can be used as binder for fixing MC-Klebepacker und sealing by adding MC-Stellmittel TX 19 and mixing until homogeneous.

The quantity of MC-Stellmittel TX 19 is variable, usually 2-4 % by weight of the reaction resin. Using MC-DUR 1260 as bonding material the curing time is approx. 12 hours until injection can start. The curing time of the reaction resin is depending on temperature.

Injection

Considering the viscosity of MC-DUR 1260, the material can be injected into wide cracks. MC-DUR 1260 must be applied with injection pump MC-I 510 (one-component pump).

Work must be stopped at temperatures below + 8 °C.

Detailed information on the application of MC-DUR 1260 can be found in the corresponding method statement.

Cleaning

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



Technical Data for MC-DUR 1260

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. w. p. b. v.	3 : 1 2.78 : 1	component A : component B component A : component B
Density	kg/dm ³	approx. 1.09	DIN 53 479
Viscosity	mPa·s	approx. 500	DIN EN ISO 3219
Compressive strength 7 d	MPa	approx. 50	DIN EN 196 T1
Flexural strength 7 d	MPa	approx. 20	DIN EN 196 T1
Tensile strength 7 d	MPa	approx. 16	DIN 53 455
E-modulus	MPa	2.500	DIN EN 178
Application time	minutes	approx. 45	
Application temperature	°C	+ 8 - + 35	air, substrate and material temperature
Glass transition temperature	°C	approx. 45	DIN EN 12614

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

Product Characteristics for MC-DUR 1260

Colour	transparent
Cleaning agent	MC-Verdünnung EP (MC-Thinner EP) Water or water-based cleaners must not be used under any circumstances
Delivery	Box à 6 x 1 kg pack 10 kg and 30 kg pack
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: 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.

Edition 01/10. 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.