

MC-DUR 1264 KF

Rigid Binding Injection Resin

Product properties

- Low-viscous, epoxy-based duromer resin
- High penetration activity
- Fast hardening
- As well hardening under dynamic conditions
- High compressive and tensile strength

Areas of application

- Rigid filling by injection or deep penetration of cracks, joints and voids in building construction, civil and underground engineering in dry constructions
- Filling of injection hoses
- REACH-assessed exposure scenarios: periodical inhalation, application

Application

Preparation

Before injection, the structure, the leaking areas, respectively, have to be inspected according to technical standards and regulations and an injection concept is to be prepared.

Mixing

MC-DUR 1264 KF consists of two components, component A and component B. They have to be mixed according to the recommended ratio using slowly rotating stirrers until the mixture is homogeneous.

Before processing, the mixed resin has to be repotted into a clean empty container or a container in which only mixed resin of the same quality was stored. Repotting is fulfilled when the resin is filled into the reservoir of an injection pump and re-mixed, thoroughly.

The workability time depends on the mixed volume and the ambient temperature.

Injection

The injection can be executed with the injection pump MC-I 510 (1-component pump).

For low to medium pressure MC-Surfacepacker LP or MC-Hammerpacker LP 12 are recommended. For injection with high injection pressure (up to 200 bar/ 2900 psi) MC-Injektionspacker can be used.

At temperatures below + 8 °C work has to be stopped.

Cleaning

Within the application time all tools can be cleaned with MC-Verdünnung EP. Partially or completely cured material can only be removed mechanically.



Technical Data for MC-DUR 1264 KF

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v.	3 : 1	component A : component B
Density	kg/dm ³	approx. 1.07	DIN EN ISO 2811-1
Viscosity	mPa*s	approx. 145	DIN EN ISO 3219
Surface Tension	mN/m	38.398	Krüss Processor, Tensiometer K100
Compressive strength	MPa	approx. 75	DIN EN ISO 604
Flexural tensile strength	MPa	approx. 65	DIN 53455
Elongation of break	%	approx. 4.5	DIN EN 53455
E-modulus	MPa	approx. 3,000	DIN EN ISO 178
Application time	Minutes	approx. 80	related to 100 g
Minimum application temperature	°C	+ 8 to + 35	air, substrate and material temperature

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

Product Characteristics for MC-DUR 1264 KF

Cleaning agent	MC-Verdünnung EP Under no circumstances, water or water-based cleaning agents should be used.
Colour	Transparent
Delivery	Box of 6 x 1 kg packs 7.5 kg canister component A 2.5 kg canister component B
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 leaflets. GHS CODE: 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 06/15. 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.