



MC-DUR 1264 KF

Rigid Binding Injection Resin

Product Properties

- Low-viscosity, duromer resin based on epoxy
- Fast hardening
- 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 and civil engineering under dry conditions
- Filling of injection hoses
- 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 1264 KF consists of two components, component A (base) and component B (hardener). They 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 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.

Injection

MC-DUR 1264 KF can be applied with injection pump MC-I 510 (one-component pump).

For the injection MC-Klebepacker or alternatively MC-Injektionspacker are recommended.

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

Extensive information on working with the resin can be found in the application instructions of the "General Construction-Supervision Certificate" for MC-DUR 1264 KF.

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 1264 KF

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. v. p. b. w.	3 : 1.1 100 : 28	component A : component B component A : component B
Density	kg/dm ³	1.07	DIN 53 479
Viscosity	mPa·s	95	DIN EN ISO 3219
Tensile strength development at	8 °C 15 °C 23 °C	hours 31 15 11	DIN EN 1543 up to reaching 3 N/mm ²
Compressive strength	MPa	approx. 85	DIN EN 196 T1
Tensile strength	MPa	approx. 60	DIN 53455
E-modulus	MPa	3.200	DIN EN 178
Application time	minutes	60	
Min. application temperature temperature	°C	+ 8	air, substrate and material temperature
Glass transition temperature	°C	approx. 46	ASTM D 3418-82

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

Product Characteristics for MC-DUR 1264 KF

Colour	transparent
Cleaning agent	MC-Verdünnung EP Water or water-based cleaners must not be used under any circumstances
Delivery	Box à 6 x 1 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 08/11. 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.