

# MC-Injekt 1264 compact

## Rigid Binding Injection Resin.

### PRODUCT PROPERTIES:

- Low-viscosity, epoxy-based duromer resin.
- Moisture compatible.
- High penetration activity.
- Fast hardening.
- As well hardening under dynamic conditions.
- High compressive and tensile strength.
- Declaration of Performance according to EN 1504-5: U(F1) W(2) (1) (8/30) (1) and U(F2) W(2) (1/2) (8/30) (1).

### AREAS OF APPLICATION:

- Rigid filling via injection or deep penetration of/into cracks, joints and voids in building construction, civil and underground engineering structures under dry and wet conditions.
- Injection works according to EN 1504.
- Filling of injection hoses.
- REACh-assessed exposure scenarios: periodical inhalation, application.

### APPLICATION NOTES:

- **Preparation:** Before injection, the structure, the leaking areas, respectively, have to be inspected according to technical standards and regulations and injection concept is to be prepared.
- **Mixing:**
  - **MC-Injekt 1264 compact** 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 reactive 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 poured into the reservoir of an injection pump and remixed thoroughly.
  - The application time depends on the quantity of the mixed material and the ambient temperature.
- **Application:**
  - The injection can be executed with the injection pump MC-I 510 (1-component pump).
  - For low to medium pressure injection MC-Surface-packer LP or MC-Hammerpacker LP 12 are recommended. For high-pressure injection (up to 200 bar/ 2900 psi) MC-Injektionspacker can be used.
  - Work with **MC-Injekt 1264 compact** must be stopped if the temperature of the structure drops below + 8°C.
- **Cleaning:** Within the application time all tools can be cleaned with MC-Verdünnung EP (MC-Thinner EP). Partially or completely cured material can only be removed mechanically.

## TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.v.	4 : 1	component A : component B
Density	kg/dm <sup>3</sup>	approx. 1.08	DIN EN ISO 2811-1
Viscosity	mPa*s	approx. 310	DIN EN ISO 3219
Surface Tension	mN/m	24.038	Krüss Processor, Tensiometer K100
Compressive strength	MPa	approx. 60	DIN EN ISO 604
Flexural tensile strength	MPa	approx. 45.7	DIN 53455
Elongation of break	%	approx. 6.1	DIN EN 53455
E-modulus	MPa	approx. 2,600	DIN EN ISO 178
Application time	Minutes	approx. 40	related to 100 g
Minimum application temperature	°C	+ 8 to + 30	air, substrate and material temperature

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

## PRODUCT CHARACTERISTICS:

<b>Color</b>	Transparent
<b>Packaging</b>	Box of 6 x 1 l packs 10 l canister
<b>Cleaning agent</b>	MC-Verdünnung EP Water or water-based cleaners must not be used under any circumstances.
<b>Storage</b>	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.
<b>Packaging disposal</b>	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 provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition **01/2024**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.