



MC-DUR Kleber EP 34

Rigid Adhesive for Glueing of Concrete and Steel, Sealing and Levelling

Product Properties

- Stiff epoxy-based duromer resin
- Moisture compatible
- Pasty
- Can be levelled out
- Good adhesion on mineral and metallic surfaces

Areas of Application

- Glueing of concrete and steel e. g. anchors, mounting parts
- Glueing of adhesion packers for injection
- Sealing of cracks and leakages at injection jobs
- Closing of cracks and kerfs
- Closing/levelling of pores and sink holes
- Small area coating repairs
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Application

Preparation

The surface has to be sustainable and must be free of loose materials and materials that would have debonding properties. It can be dry up to humid (Change in colour with water, but without standing water). If the surface has got sufficient adhesive tensile strength a primer is not necessary.

Mixing

MC-DUR Kleber EP 34 consists of two components component A (base) and component B (hardener). Both components are delivered in double chamber cartridge. The volume ratio of package is equal to mixing ratio of 2 : 1 p.b.v.. Mixing is carried out in the static mixer of the cartridge.

Application

The application is done via double chamber cartridge with quadro mixer 8.7/24 using the MC-Klebeset EP. The mixed product must show a uniform colour.

Depending on the application MC-DUR Kleber EP 34 can be worked with squeegees or steel floats. After being mixed and discharged the glue should be pressed on with care. In drill holes or anchor holes a compressing via stiffing is recommended. Extension of the mixing head is possible. Appli-

cation time is influenced by the glue's and the environment's temperature.

When application via cartridge is interrupted for a time longer than the application time is permitting, the static mixer with the already reacted glue has to be replaced with a new static mixer. For further storage of opened cartridges these have to be closed with a plug.

Cleaning

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

General information

Chemical stress and exposure to light may cause changes in colour that generally do not impair the serviceability. Verifications of suitability of independent testing bodies concerning the adhesive tensile strengths are available upon request.

Safety advise

MC-DUR Kleber EP 34 according to the ordinance on hazardous substances has to be marked. Please take notice of the safety information and advice given on the packaging labels and safety information sheets.



Technical Data for MC-DUR Kleber EP 34

| Characteristic | Unit | Value | Comments |
|---|-------------------|--------------------------------|---|
| Density | g/cm ³ | 1.5 | DIN EN ISO 2811-1 at 20 °C and 50 % relative humidity |
| Mixing ratio | p. b. v. | 2 : 1 | component A : component B |
| Consistency | - | pasty | Stiff up to 10 - 15 mm at 20 °C and 50 % relative humidity |
| Pot life | minutes | 20 | DIN EN ISO 9514 at 20 °C and 50 % relative humidity |
| Application conditions | °C % K | ≥ 8 - ≤ 40 < 90 3 | air, material and surface temperature relative humidity above dew point |
| E-modulus | N/mm ² | 5,800 | DIN EN ISO 178 |
| Compressive strength | N/mm ² | approx 71 approx 90 | after 16 hours after 24 hours |
| Adhesive tensile strength (concrete) | N/mm ² | > 2.5 | DIN EN 1542 break with 100 % in concrete |
| Adhesive tensile strength development after (blasted steel) | N/mm ² | 12 17 21 | after 8 hours after 16 hours after 24 hours |
| Humidity of surface | - | dry up to slightly humid | mineral surfaces without pore water |

Product Characteristics for MC-DUR Kleber EP 34

| | |
|-----------------|--|
| Cleaning agent | MC-Verdünnung EP (MC-Thinner EP) |
| Standard colour | grey |
| Delivery | 400 ml 2-chamber cartridge in volume relation 2 : 1 in box with 8 pieces, 10 quadro mixers (8.7/24 zPP) and 4 extension tubes |
| Storage | Can be stored in original sealed packages at temperatures between + 5 °C and + 25 °C in dry conditions for at least one year. The same requirements are valid for transport. |
| Pack disposal | Packs must be emptied completely. Please take note of our information sheet concerning packaging regulations that can be send to you upon request. |

Service

Individual consultation for project specific application is offered by our technical service. This includes also our discharger and the static mixers. 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 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 06/09. 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.