

MC-Estrifan HB

Solvent free, pigmented epoxy resin

Product Properties

- Two component epoxy resin
- Solvent free
- Coloured, approx. RAL 7032
- Good adhesion to mineral substrates
- Coating with high scuff resistance

Areas of Application

- Bonding layer for cementitious substrates
- Bonding layer between old and fresh concrete
- Grouting of voids and cavities in screed
- Coating of cement screeds
- Damp-proofing for increase humidity (< 6 CM %)

Application Notes

Substrate Preparation

See data-sheet "General Application Advice for MC-Estrifan-substrate and substrate preparation" and the data sheet "General Application Advice for MC-Estrifan-epoxy resins" for the repair of disruptions, pores and cavities.

Mixing

See data-sheet "General Application Advice for MC-Estrifan-epoxy resins".

Application

When using MC-Estrifan HB as a bonding layer, no further priming is necessary. The material is applied amply onto the load-bearing substrate, using a float. The layer must be completely closed. The application of the screed or concrete must be done fresh-in-fresh within the processing time of MC-Estrifan HB. Only prepare as much surface as can be concreted fresh-in-fresh. For use on sloped or vertical surfaces it is possible to render MC-Estrifan HB knife grade by adding approx. 3 - 5 weight-% MC-Stellmittel TX 19. If used as a screed coating, the substrate must be primed with MC-Estrifan UP. In most cases a scratch coat, consisting of MC-Estrifan UP and oven-dried quartz sand with grain size 0.1 - 0.3 mm, is also necessary. Please observe the information on the technical data sheet for MC-Estrifan UP.

Between 12 and 24 hours after the scratch coat has been applied, MC-Estrifan HB is applied with

a float, coating knife or rubber squeegee and aerated with a spiked roller. MC-Estrifan HB can be loaded with oven-dried quartz-sand at a mixing ratio of 1 : 0.5 parts-by-weight, and applied in layers of more than 1 mm. The freshly laid surfaces must be aerated cross-wise with a spiked roller. These surfaces can be made skid-resistant by sanding in excess (approx. 5 - 6 kg per m²) with oven-dried quartz-sand (grain size 0.2 - 0.7 mm). After curing the loose excess sand is removed. Afterwards it is possible to apply a top coat with MC-Estrifan HB, using a lambskin roller cross-wise.

Further Information

Coverage, processing time and all technical properties depend very much on the temperatures and the object conditions. Please attend the information on the data-sheet "General Application Advice for MC-Estrifan-epoxy resins".

Chemical attacks and exposure to light might cause changes in colour, which usually do not impair the usability. Chemically and mechanically loaded areas are subject to usage-caused wear and tear. Regular inspections and continuous maintenance are recommended.

For the processing and handling of MC-Estrifan HB please observe the advice on the packaging label and the safety data sheet!



Technical Data for MC-Estrifan HB

| Characteristic | Unit | Value | Comments |
|---|-------------------|-----------------------------|---|
| Binder Basis | | | epoxy resin |
| Density | g/cm ³ | approx. 1.37 | |
| Mixing ratio | parts by mass | 3 : 1 | base component : hardener |
| Consumption as bonding layer | kg/m ² | approx. 1.0 - 1.5 | depending on the substrate |
| Processing time 10 kg Processing time 1 kg | minutes | approx. 40 approx. 45 | at +20 °C and 50 % relative humidity |
| Drying times | | | |
| Accessible after | hours | approx. 12 | at +20 °C and 50 % relative humidity |
| Fully loadable after | days | approx. 7 | at +20 °C and 50 % relative humidity |
| Processing conditions | °C % K | ≥ + 8 - ≤ + 30 ≤ 85 3 | air and substrate temperature relative humidity above dew-point |

Product Characteristics for MC-Estrifan HB

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|--|--|
| Internal Production Supervision in accordance with DIN EN ISO 9001 | |
| Standard Colour | grey, approx. RAL 7032 |
| Consistency | liquid, two component |
| Form of Delivery | 10 kg twin units, 1 kg twin units (6x1 in a box) |
| Storage | Can be stored under dry conditions, at +20 °C and in original unopened containers for at least 12 months. Keep frost-free! |
| Equipment cleaning agent | MC-Reinigungsmittel U |
| Disposal | For the sake of our environment please empty the packs completely. |

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 02/14. 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.