

MC-Estrifan RIS

epoxy resin for filling of cracks in screed and concrete floors



PRODUCT PROPERTIES

- Two component epoxy resin
- 400 ml two component cartridges
- Applied with the dispenser MC-Estrifan RIS-Jet
- Good penetration into cracks and voids
- No separate mixing necessary
- Easy and clean application
- Solvent free
- Low viscosity

AREAS OF APPLICATION

- Force bearing filling of hairline cracks and craquelee cracks
- Force bearing filling of cracks and voids in screeds and concrete floors

APPLICATION ADVICE

Substrate Preparation

The respective cracks and voids must be dry and clean. Contaminations within the cracks must be removed by evacuating out with an industrial vacuum cleaner or by blowing out with oil-free compressed air. Loose particles on the crack edges must be removed.

Application

The cartridges are inserted into the dispenser MC-Estrifan RIS-Jet according to the instruction manual. The dispenser must be held vertically while the metal washer is removed and the clamping nut is screwed off. Pull out the green plunger seal, put the static mixer over the aperture and fasten it with the clamping nut. During all this the dispenser and cartridge must be held vertically to avoid a leaking of the unmixed material.

The resin material is pushed from the dispenser through the static mixer, where it is mixed.

Whether the components have been mixed correctly can be determined by the green colouration of the material. When using a new static mixer small amounts of insufficiently mixed material are ejected. It is therefore recommended not to use the first discharge of material.

If only small amounts of the 2-chamber cartridge is used, the static mixer can be removed and the cartridge resealed.

Make sure that no material flows back from the static mixer into the 2-chamber cartridge. The unmixed material in the 2-chamber cartridge can be used again by attaching a new static mixer.

Crack Filling

Filling of cracks with MC-Estrifan RIS is done by impregnation. Material that has not penetrated the crack and the fresh resin surface of the refurbished crack must be sanded with oven-dried quartz sand (grain-size 0.1 - 0.3 mm), to allow the adhesion of further coats.

Further Information

Coverage, processing time and all technical properties depends very much on the temperatures and the object conditions. Please observe 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. Chemical and mechanical loads cause wear and tear. Regular inspections and continuous maintenance are recommended.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|------------------------|--------------------|---------------|---|
| Mixing ratio | parts by volume | 4 : 1 | comp. A : comp. B |
| Density | kg/dm ³ | approx. 1.08 | EN ISO 2811-1 |
| Viscosity | mPa s | approx. 310 | EN ISO 3219 |
| Compressive strength | N/mm ² | approx. 60 | EN ISO 604 |
| Tensile strength | N/mm ² | approx. 45.7 | DIN 53 455 |
| Ultimate elongation | % | approx. 6.1 | DIN 53 455 |
| E-modulus | N/mm ² | approx. 2,600 | EN ISO 178 |
| Application conditions | °C | ≥ 8 ≤ 35 | component, subsoil and material temperature |

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

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|--------------------------|--|
| self-monitoring | EN ISO 9001 |
| base | Epoxy resin |
| form | two-component, liquid |
| colour shade | transparent |
| application equipment | MC-Estrifan RIS-Jet |
| equipment cleaning agent | MC-Verdünnung EP (thinner) |
| delivery form | Box with 8 x 400 ml double cartridges and 10 static mixers |
| Storage | Can be stored in original sealed packages at temperatures between 10°C and 35°C in dry conditions for at least 24 months. |
| packaging disposal | Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request. |

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE30

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004691]