

# MC-Estrifan IH

Epoxy resin for filling cracks in screed and concrete



## PRODUCT PROPERTIES

- Two component epoxy resin
- Solvent free
- Low viscosity
- Good penetration into cracks and voids

## AREAS OF APPLICATION

- Impregnation of hairline cracks and craquelee cracks
- Load-bearing filling of cracks and voids in screeds, structures made of concrete and reinforced concrete
- Suitable for crack-widths > 0.2 mm

## 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.

### Mixing

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

### Crack Filling

Filling of cracks with MC-Estrifan IH is done by impregnation. It is also possible to inject it, please request our consultation in these cases.

Depending on the width of the crack to be filled, the mixed resin is poured into the crack or impregnated by brush. Material that has not penetrated the crack and the fresh resin surface of the filled-in 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

Consumption, processing time and all technical properties depends 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 loads cause wear and tear. Regular inspections and continuous maintenance are recommended.

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

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	parts by volume	4 : 1	base component : hardener component
Density	g/cm <sup>3</sup>	approx. 1.08	
Viscosity	mPa s	approx. 310	at 20°C and 50% rel. humidity
Working time	minutes	approx. 40	at 20°C and 50% rel. humidity
Compressive strength	N/mm <sup>2</sup>	approx. 60	EN ISO 604
Tensile strength	N/mm <sup>2</sup>	approx. 45.7	DIN 53 455
Ultimate elongation	%	approx. 6.1	DIN 53 455
Application conditions	°C	≥ 8 ≤ 30	air and substrate temperatures

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

self-monitoring	EN ISO 9001
base	Epoxy resin
form	two-component
colour shade	transparent, light yellowish
equipment cleaning agent	MC-Verdünnung EP (thinner)
delivery form	1 l twin unit (6 x 1 l in box)
Storage	Can be stored in original sealed packages at temperatures between 5°C and 25°C in dry conditions for at least 12 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.

**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. [2100004614]