

# MC-Estrifan D

epoxy resin dispersion for the sealing of screeds



## PRODUCT PROPERTIES

- Two-component epoxy resin sealant
- Solvent-free
- Water-dispersed
- Adheres even to matt-damp (without visible moisture) mineral substrates
- Highly flame resistant
- Transparent and grey
- Can be applied by brushing, rolling and spraying

## AREAS OF APPLICATION

- Impregnation of cement-screed surfaces to bind dust (transparent)
- Coloured coating of screed floors

## APPLICATION ADVICE

### Substrate Preparation

See data-sheet "Substrate and substrate-preparation for cementitious screeds", 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

If used as primer or impregnation on mineral substrates, MC-Estrifan D transparent should be rolled on. The coloured coating of the primed surface is done by two applications of MC-Estrifan D coloured. MC-Estrifan D coloured can be applied with a roller, brush or airless spraying equipment. Do not add water to MC-Estrifan D.

The end of the processing time is not indicated by an increased viscosity of the material. Therefore MC-Estrifan D cannot be used if the stated processing time is exceeded! To ensure proper drying the substrate and air temperatures must be at least 10 °C and the relative humidity below 85 %. The waiting intervals between the individual work-steps of applying MC-Estrifan D must not exceed 48 hours at + 20 °C.

### Further Information

Coverage, processing time and all technical properties depend very much on 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. Chemically and mechanically loads cause wear and tear. Regular inspections and continuous maintenance are advised.

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

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	3 : 1	base component : hardener component
Density	g/cm <sup>3</sup>	approx. 1.03	transparent
	kg/dm <sup>3</sup>	approx. 1.35	coloured
Working time	minutes	approx. 120	at 20°C and 50% rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	> 3	above dew point
Drying time	hours	approx. 16	accessible
	days	approx. 7	Fully resilient at 20°C and 65% rel. humidity
Consumption	g/m <sup>2</sup>	approx. 200 -	transparent
		250	
		approx. 250 -	coloured
		200	

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

binder base	Epoxy resin
self-monitoring	EN ISO 9001
standard colour shades	transparent, grey approx. RAL 7032
delivery form	MC-Estrifan D transparent 10 kg twin-unit (30 kg twin-units on request) MC-Estrifan D coloured 10 kg twin-units (30 kg twin-units on request)
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.
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. [2100004616]