

PRODUCT PROPERTIES

- Two-component epoxy resin dispersion
- High electric conductivity to ensure discharge and bleeding capability
- Low electric bleeder resistor R according to DIN EN 1081

AREAS OF APPLICATION

- Electrically conductive primer for electrically conductive coatings and sealers
- REACH-assessed exposure scenarios: periodical inhalation, application

APPLICATION ADVICE

Substrate Preparation/Mixing: See leaflets "General Application Advice": "Industrial Flooring - Substrate and Substrate Preparation" and "Reactive Resins".

Priming: MC-DUR 1200 VK, see technical data sheet "MC-DUR 1200 VK".

Scratch Coat: Scratch coat consisting of MC-DUR 1200 VK and oven-dried quartz-sand (grain size 0.1 - 0.3 mm). Please refer to our technical data sheet "MC-DUR 1200 VK".

Earthing: Following curing of the scratch coat one earthing point each is set per electrically self-contained area (e.g. partial areas surrounded by joints). The maximum distance between 2 earthing points is 15 m. The installation instruction of the earthing kit is to be observed.

Application: MC-DUR GLW is applied with roller, swiftly and evenly. Pin holes and holes are not permitted as they impair the electric conductivity. The bleeder resistor must be measured before the application of the coat or sealant. It must not exceed 10^4 Ohm (measurement regulation: DIN EN 1081).

General Information: Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition. See also leaflet "General Application Advice - Reactive Resins". Concerning the batch colour consistency, please note the general information on the leaflet "General Application Advice - Reactive Resins". Exposure to chemicals and UV-light may cause colour changes, which usually do not affect the properties and usability of the coating. Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Leakage resistance Rz	Ohm	< 10	EN 1081
Mixing ratio	mass fractions	3 : 1	base component : hardener component
Density	g/cm ³	approx. 1.15	
Viscosity	mPa·s	approx. 4,600	at 20° C and 50 % rel. humidity
Working time	minutes	60	at 20° C and 50 % rel. humidity
Overworkable after	hours	approx. 12 - 24	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ²	0.1 - 0.15	

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

Equipment cleaning agent	water
Colour	black
Delivery form	10 kg packs
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG All/j (140 g/l) ≤ 140 g/l VOC

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. [2300018226]