

MC-DUR 1800 TX-AS

Thixotropic, conductive epoxy resin sealer



PRODUCT PROPERTIES

- Two-component, pigmented epoxy resin sealer
- Increased chemical resistance

AREAS OF APPLICATION

- Conductive sealing of mineral substrates and steel
- 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: Use MC-DUR 1200 VK, please refer to technical data sheet "MC-DUR 1200 VK".

Scratch Coat:

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

Application:

12 to 24 hours after application of the scratch coat the earthing terminals are to be set in a maximum distance of 15 meters. Then the electrically conductive intermediale layer MC-DUR GLW is applied (see technical datasheet „MC-DUR GLW“) MC-DUR 1800 TX-AS is rolled on cross-wise in a single work-step with a coverage of approx. 500 g/m².

Conductive, slightly slip-resistant structured coating:

MC-DUR 1800 TX-AS (approx. 550 g/m²) is mixed with 1% by weight of MC-Stellmittel TX 19 and then rolled crosswise onto the substrate using a short-pile paint roller. After application, the coating material is backrolled crosswise with a structured roller. To maintain a uniform appearance, the structured roller must be rolled out dry regularly and exchanged depending upon its wear.

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. After completion of the reaction, depending on the ambient conditions, MC-DUR 1800 TX-AS can form a thin, sticky carbamate film on the surface, which can be easily removed with slightly acidic cleaning agents.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	3 : 1	base component : hardener component
Density	g/cm ³	approx. 1.48	
Viscosity	thixotropic		at 20° C and 50 % rel. humidity
Working time	minutes	approx. 20	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 12	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	Temperatura del aire, soporte y material
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	g/m ²	approx. 500	
		approx. 550	single-layer slip resistant coating

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

Equipment cleaning agent	MC-Reinigungsmittel U
Colour	MC-grey, RAL 7023, RAL 7032, other colours on request
Delivery form	10 kg packs
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.
EU Regulation 2004/42 (Decopaint Directive)	RL2004/42/EG AIII/j (500 g/l) ≤ 500 g/l VOC

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : RE50

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. [2400020543]