

MC-DUR 1252

Resistant, low-yellowing epoxy resin coating for multi-storey car parks



PRODUCT PROPERTIES

- Two-component, flexible, pigmented epoxy resin coating for car park areas and for use in industrial areas
- Thick-coating, may be filled and strewn with oven-dried aggregates
- Good abrasion-, chemical- and UV-resistance, slightly flexible
- Resistant to carbamate formation (white discoloration) and very good early water resistance

AREAS OF APPLICATION

- Coating for interior and exterior parking areas
- Surface protection system OS 8 in accordance with DAfStb Rili SIB 2001, DIN EN 1504-2 and DIN V 18026
- For use in industrial areas or similar
- REACH-assessed exposure scenarios: periodical water-contact, 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: The scratch coat consists of MC-DUR 1200 VK and oven-dried quartz-sand (grain-size 0.1-0.3 mm). See technical data sheet "MC-DUR 1200 VK".

Application: MC-DUR 1252 is applied 12 to 24 hours after application of the scratch coat, using a float, pin screed or rubber squeegee and deaerated with a spiked roller. For a layer thickness of more than 1 mm MC-DUR 1252 can be filled with oven-dried quartz-sand (0.1 - 0.3 mm) in a mixing ratio of 1 : 0.5 parts by weight. Afterwards the still fresh areas are deaerated cross-wise with a spiked roller. For anti-skid surfaces the previously filled coating is strewn in excess (approx. 5 - 6 kg) with oven-dried quartz-sand (e.g. 0.3 - 0.8 mm or coarser) while still fresh. After curing the excess sand is removed and a top-sealer can be applied. The top sealer is applied sharply across the grains using a rubber squeegee and rolled crosswise with a short-piled lambskin roller.

Application on vertical areas: For use on sloped and vertical areas MC-DUR 1252 is added approx. 3 - 5 weight-% MC-Stellmittel TX 19 (MC-Thixotropic Agent TX 19).

Single-layer, slip resistant, hard grain coating:

MC-DUR 1252 (approx. 470 g/m²) is mixed with 1 % by weight of MC-Stellmittel TX 19, pre-filled with MC-Spezialkörnung ASR-N60 (approx. 230 g/m²) in a mixing ratio of 1 : 0.5 parts by weight and mixed again. The coating material is then poured onto the substrate, spreaded out and smoothed sharply over the grain using a steel trowel. The mixture must be stirred up in between to ensure homogeneous composition of the aggregate. After application, the coating is back-rolled crosswise with a structured roller. In order to maintain a uniform appearance, the structured roller must be rolled out dry regularly and exchanged upon its wears.

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
Mixing ratio	mass fractions	100 : 23.7	base component : hardener component
Density	g/cm ³	approx. 1.5	
Viscosity	mPa s	approx. 1,600	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 45	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	≥ 8 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	kg/m ²	1.5	per mm layer thickness
		approx. 0.47	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	12 or 30 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 : RE90

Note: The information in this data sheet must be adapted by the installer, specialist planner, and/or building inspector to the respective construction project, intended use, and specific local conditions. Any non-standard local conditions must be taken into account, and application-specific conditions must be reviewed in advance by the planner/specifier. Deviations from the specified standard conditions 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. [2500028701]