

MC-DUR 2210

Resistant and resilient polyurethane coating for car park surfaces



PRODUCT PROPERTIES

- Two-component pigmented polyurethane coating material
- Thick-layer coating, can be filled and sprinkled with fire-dried aggregates
- Good resistance to abrasion and chemical attack

AREAS OF APPLICATION

- Coating system suitable for interior and exterior car park surfaces
- Approved according to TL/TP BEL-B3 as OS 10 coating system
- Tested as OS 11a coating system according to DIN V 18026 and DIN EN 1504-2
- REACH-assessed exposure scenarios: Water contact: periodic; Application

APPLICATION ADVICE

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

Primer/Scratch Coat: MC-DUR 1320 VK; see technical data sheet "MC-DUR 1320 VK".

Application as OS 10 system: The wearing course of MC-DUR 2210 is applied on a sealing course of MC-DUR 2211 MB (see technical data sheet "MC-DUR 2211 MB"). MC-DUR 2210 (consumption 2,600 g/m²) is filled with 20 % (=560 g/m²) fire-dried quartz sand (grain size 0.1 - 0.3 mm). The mixture is applied with a trowel, squeegee or rubber squeegee at a consumption of 3,120 g/m² and deaerated with the spiked roller in a crosswise motion. Subsequently, the coating is strewn with oven-dried quartz sand (0.3 - 0.8 mm) in excess (approx. 5,000 g/m²) when fresh. After hardening, the excess sand is removed and a top coat of MC-DUR 1322 or MC-DUR TopSpeed is applied (see technical data sheet "MC-DUR 1322" or "MC-DUR TopSpeed"). The top sealer is sharply removed over the grain with a rubber scraper and cross-smoothed with a short-pile lambskin roller.

Application as OS 11a system: The wearing layer of MC-DUR 2210 is applied on top of a crack-bridging layer of MC-DUR 2211 MB (see technical data sheet "MC-DUR 2211 MB"). MC-DUR 2210 (consumption 1,900 g/m²) is filled with 20 % (=380 g/m²) oven-dried quartz sand (grain size 0.1 - 0.3 mm). The mixture is applied with a trowel, squeegee or rubber squeegee at a consumption of 2,280 g/m² and deaerated with the spiked roller in a crosswise motion. Subsequently, the coating is strewn with oven-dried quartz sand (0.3 - 0.8 mm) in excess (approx. 5,000 g/m²) when fresh. After hardening, the excess sand is removed and a top coat of MC-DUR 1322 is applied (see technical data sheet "MC-DUR 1322"). The top coat is sharply scraped over the grain with a rubber squeegee and cross-smoothed with a short-pile lambskin roller.

Application in vertical areas: In sloping or vertical areas, MC-DUR 2210 can be made trowel- or level-proof by adding approx. 3 - 5 wt.% MC Adjusting Agent TX 19.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 23.5	base component : hardener component
Density	g/cm ³	approx. 1.3	
Viscosity	mPa s	approx. 5,000	at 20° C and 50 % rel. humidity
Working time	minutes	approx. 30	at 20° C and 50 % rel. humidity
Accessible after	hours	approx. 16	at 20° C and 50 % rel. humidity
Resilient after (full)	days	7	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 6 ≤ 30	air and substrate temperatures
	%	≤ 80	rel. humidity
	K	3	above dew point
Consumption	kg/m ²	2.6	OS 10 surface protection system
		1.9	OS 11a surface protection system
		1.66	levelling layer

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

Equipment cleaning agent	MC-Verdünnung PU
Colour	MC-grey, other colours on request
Delivery form	10 and 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 All/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 : PU40

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. [2300020011]