MC-DUR 2210

Resistant and resilient polyurethane coating for car park surfaces

BE SURE. BUILD SURE.

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 strewed 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.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 23.5	base component : hardener component
Density	g/cm³	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/m²	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 AII/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

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