

MC-Durofloor

Decorative flooring system

Product Properties

- Colour-quartz coating system
- Coating with increased mechanical and chemical resistance
- Joint-free, available in different anti-skid classes

Areas of Application

- Interior surfaces in many areas of industry and trade
Examples: food industry, commercial kitchens, sales floors, chemical, pharmaceutical and electronics industries
- REACh-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

Application

Substrate Preparation/Mixing

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

Priming

Mineral substrates are primed with MC-DUR 1205. Please refer to technical data sheet "General Application Advice". If the primer cannot be over-coated within 24 hours, the freshly laid primer must be strewn with oven-dried quartz-sand (0.1 - 0.3 mm, coverage: approx. 1 - 2 kg/m²).

Scratch Coat

MC-DUR 1205 is filled with oven-dried quartz-sand (grain-size 0.1 - 0.3 mm) in a mixing ratio of 1 : 1 to 1 : 2 and then applied with a steel float. Please refer to technical data sheet "General Application Advice". Then the scratch coat is strewn in excess (approx. 3 - 4 kg/m²). After curing, the loose quartz-sand is removed and, to achieve a smooth surface, the entire area is grinded with a grinding machine.

Application

MC-DUR 1202 is filled with a quartz-mixture consisting of 50 % quartz-sand 0.1 - 0.3 mm and 50 % MC-decorative sand 0.3 - 0.8 mm (mixing ratio 1 : 1) and then applied with a steel float. The fresh coating has to be strewn completely with MC-decorative sand 0.3 - 0.8 mm, coverage: approx. 3 - 3.5 kg/m². After curing, all loose quartz-sand must be removed. In addition, the area has to be cleaned thoroughly with an indu-

strial vacuum cleaner (min. 1.5 kW performance).

To seal the decorative flooring MC-DUR 1205 is applied with a MC-Durofloor spatula. Take care to avoid puddles. Depending on the requested roughness of the coating, the sealer can be grinded and sealed again after curing. In addition, the area has to be cleaned thoroughly with an industrial vacuum cleaner (min. 1.5 kW performance).

The area may be matted with MC-DUR 2095 M (see technical data sheet). MC-DUR 2095 M is applied cross-wise with a short-piled lambskin roller. The application should be carried out evenly and smooth.

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 Data for MC-Durofloor System

Characteristic	Unit	Value		Comments
		MC-DUR 1205	MC-DUR 1202	
Mixing ratio	p. b. w.	2 : 1	3 : 1	base : hardener
Density	g/cm ³	approx. 1.1	approx. 1.15	-
Viscosity	mPa·s	approx. 600	approx. 1,000	at 20 °C and 50 % relative humidity
Pot life	minutes	approx. 20	approx. 25	at 20 °C and 50 % relative humidity
Resistant to foot traffic after	hours	approx. 12	approx. 12	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	7	at 20 °C and 50 % relative humidity
Application conditions	°C	≥ 10 - ≤ 30	≥ 10 - ≤ 30	air, material and substrate temperature relative humidity above dew point
	%	≤ 85	≤ 85	
	K	3	3	
Coverage	kg/m ²	0.3 - 0.4	-	primer
		0.5 - 0.8	-	scratch-coat
		-	0.6 - 0.7	intermediate layer
		0.4 - 0.6	-	top coat / sealer
Strewing colour-quartz-sand (0.3 - 0.8 mm)	kg/m ²	3.0 - 3.5		

Product Characteristics for MC-Durofloor System

	MC-DUR 1205	MC-DUR 1202
Cleaning agent	MC-Verdünnung EP	MC-Verdünnung EP
Colour	transparent	MC-grey, approx. RAL 1001, 5014, 6021
Delivery	10 and 30 kg packs	10 and 30 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs. Protect from frost!	
Disposal	Packs must be emptied completely.	
EU-regulation 2004/42 (Decopaint standard)	RL2004/42/EG All/j (500 g/l) max 147 g/l VOC	RL2004/42/EG All/j (500 g/l) max 173 g/l VOC

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter "Safety Measures for Handling Coating Materials and Reactive Resins". GISCODE: RE1

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 02/12. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.