Emcefloor PCC pro

Self-levelling polymer-cement floor coating (PCC)

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- One-component, self-levelling polymer-cement floor coating (PCC)
- Layer thicknesses 3 - 20 mm
- Pumpable, overcoating possible

AREAS OF APPLICATION

- Application of even floor coatings onto rough mineral-based substrates
- Open for water vapour diffusion

APPLICATION ADVICE

Substrate Preparation: See leaflet “General Application Advice“: “Industrial Flooring - Substrate and Substrate Preparation“.

Priming: The substrate is primed with MC-DUR 1177 WV-A (coverage approx. 200 - 400 g/m²). The fresh primer is slightly strewn (< 1 kg/m²) with oven-dried quartz sand (0.2 - 0.6 mm). After reaching of walkability (the milky effect must have faded), at the latest after 24 hours (at 20 °C), follows the second priming with MC-DUR 1177 WV-A (cover-age approx. 200 - 400 g/m²) and a fresh in fresh application Emcefloor PCC Pro.

Mixing: Emcefloor PCC Pro consists of the powder component which has to be mixed with 20 % (p.b.w.) water. The material is mixed until homogeneous and lump-free (3 - 4 minutes). Mechanical mixers are used for mixing (300 - 400 rpm).

Application: Emcefloor PCC Pro is applied using a trowel or a float. Afterwards the fresh PCC pro is de-aerated with a spiked roller. The coating must be protected for at least 24 hours against rain, wind and direct sun-impact. After a waiting time of 48 - 72 hours Emcefloor PCC Pro can be overcoated with MC-DUR coating systems. Therefore the surface is primed with MC-DUR 1177 WV-A (coverage approx. 200 g/m²). The fresh primer is immediately strewn with < 1 kg/m² of oven-dried quartz sand (0.1 - 0.3 mm). After a waiting time of at least 12 hours the surface can be overcoated.

General Information: Coverage, application time, resistance to foot traffic and time until fill resistance are determined by temperature and object properties and condition. See also leaflet “General Application Advice - Reactive Resins”.
Concerning the batch colour consistency, please note the general information in 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.

MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8 · 46238 Bottrop
Tel. +49 (0) 2041-101 0 · Fax: +49 (0) 2041-101 400
info@mc-bauchemie.de · www.mc-bauchemie.de

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 20	powder component : water
Density	g/cm³	approx. 1.7	
Fresh mortar bulk density	g/cm³	approx. 1.95	
Dry bulk density	g/cm³	approx. 1.9	
Working time	minutes	20	at 20° C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	
Consumption	kg/m²	1.7	per mm layer thickness
Flexural strength	N/mm²	approx. 10	
Compressive strength	N/mm²	approx. 40	
Resilient after (full)	days	7	
Accessible after	hours	6	
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

Colour	grey
Equipment cleaning agent	water
Delivery form	25 kg bag
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : ZP1

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