

# Emcefloor PCC pro

Self-levelling polymer-cement floor coating (PCC)



## 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/m<sup>2</sup>). The fresh primer is slightly strewn (< 1 kg/m<sup>2</sup>) 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/m<sup>2</sup>) 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/m<sup>2</sup>). The fresh primer is immediately strewn with < 1 kg/m<sup>2</sup> 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.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 20	powder component : water
Density	g/cm <sup>3</sup>	approx. 1.7	
Fresh mortar bulk density	g/cm <sup>3</sup>	approx. 1.95	
Dry bulk density	g/cm <sup>3</sup>	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/m <sup>2</sup>	1.7	per mm layer thickness
Flexural strength	N/mm <sup>2</sup>	approx. 10	
Compressive strength	N/mm <sup>2</sup>	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

**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. [2300018177]