

# 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
- High resistance against osmotic processes in case of backward moisture and water vapour tight coating

### Application

#### 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). Emcefloor PCC is applied after the colour changes (the milky effect must be faded). For very porous substrates a second primer application is necessary.

#### 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 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 Data for Emcefloor PCC Pro

Characteristic	Unit	Value	Comments
Mixing	p.b.w.	100 : 20	powder component : water
Density	g/cm <sup>3</sup>	approx. 1.7	
Fresh mortar density	g/cm <sup>3</sup>	1.95	
Dry density	g/cm <sup>3</sup>	1.9	
Application time	minutes	20	at 20 °C and 50 % relative humidity
Resistant to foot traffic	hours	6	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Minimum application conditions	°C % K	≥ 10 - ≤ 30 ≤ 85 3	air, material and substrate temperature relative humidity above dew point
Coverage	kg/m <sup>2</sup>	1.7	per mm layer thickness
Compressive strength	N/mm <sup>2</sup>	approx. 40	after 28 days
Bending tensile strength	N/mm <sup>2</sup>	approx. 10	after 28 days

## Product Characteristics for Emcefloor PCC Pro

Cleaning agent	water
Colour	grey
Delivery	25 kg bag
Storage	Can be stored in original sealed packages at temperatures below 20 °C in dry conditions for at least 1 year. Protect from frost! The same requirements are valid for transport
Disposal	Packs must be emptied completely.

### Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information leaflets.

**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 06/12. 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.