



# Emcefix PR

## Fine filler for cosmetic repairs in Precast

### Product Properties

- Polymer Modified.
- Shrinkage Controlled mortar.
- One-component.
- Hand application.
- Suitable for a thickness of 0.1 to 2 mm.
- This product can also be used as a scratch coat or pore and cavity filler.

### Areas of Application

- Cosmetic repair for precast.
- Filler for non-accessible and non-driven-on concrete components, both interior and exterior.
- Closing of pores, blow holes, used as scratch.

### Application

#### Substrate Preparation

The substrate must be free from dust, dirt, grease and the surface grit blasted to remove laitance. It shall be sprayed with clean, fresh water so that it is damp but free of standing water immediately prior to the application of Emcefix PR or the bond coat.

#### Mixing

Emcefix PR powder (20 kg) is slowly added to the pre-measured water (7.0 – 7.5 litres) while mixing continuously with a heavy-duty slow speed drill with paddle attachment or with a double blade contra-rotating mixer. Mixing continues until a lump-free, homogenous consistency is obtained but, in any case, not less than 5 minutes. As with all cement-based products the actual amount of mixing water may vary.

#### Application

Emcefix PR can be applied by hand or spray in one or more layers. A worm pump with adjustable discharge control is advised for spray application. Please contact the local sales office for equipment details. Hand application is by trowels and floats. All construction and expansion joints in the substrate should be carried through into the Emcefix PR.

#### Finishing

After application Emcefix PR may be levelled and finished with a wooden or plastic float or with special MC finishing tools. Please contact the local sales office for equipment details.

#### Curing

Emcefix PR must be prevented from drying out too rapidly and protected from direct sunlight and

exposure to wind. Curing usually takes 3 days using either wet hessian or a high efficiency curing membrane such as MC's Emcoril BVM.

#### General Information

Surfaces which are to be coated with reactive resins (epoxies, polyurethanes etc) must be at least 7 days old and be prepared by grit blasting. If in doubt the residual moisture content of the Emcefix PR should be checked for compliance with the coating manufacturers' recommendations.



#### Technical Data for Emcefix PR

Characteristic	Unit	Value*	Comments
Wet Density	Kg. / Lt.	1.65 – 1,75	
Workability time	minutes	45	@30°C
Compressive strength	N / mm <sup>2</sup>	≥6	28 Days BS EN 196-1 : 2005 CLAUSE 9.2

#### Product Characteristics for Emcefix FR

Appearance	Grey Granular Powder
Delivery	20 kg bags
Storage	Material should be stored in a dry and covered area away from direct sun light in its tightly closed containers. In these conditions the material shelf life is 12 months.
Standards & Specifications	conforms to BS 1881- part 4, BS 4551, UNI 8147/80, UNI 9418, UNI 6556, ASTM C109
Disposal	Packs must be emptied completely.

#### Safety Advice

Please take notice of the health and safety information and advice given on the packaging labels and the safety data sheets.

**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 refer 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 12/22 (PC). Some technical changes have been made to this information. Older editions are invalid and may not be used anymore. If a technically revised edition is issued, this edition becomes invalid.