

## BEECK CONCRETE REPAIR MORTAR

Fiber-reinforced, virtually non shrinking PCC filler mortar as a constituent of the BEECK Concrete Reconstruction System.



### Ranges of Application:

BEECK CONCRETE REPAIR MORTAR is suitable for filling open spaces and for thick-layer full or partial surface covering of concrete, horizontally or vertically. Application to prepared clean and recoatable surfaces only, see Surface and Pretreatment.

### Processing:

Mix 1 bag (25 kg) BEECK CONCRETE REPAIR MORTAR with approx. 3.3 l clear water without clusters and process within 1 hour. Wet surface prior to application and allow to dry until mat-wet. Apply first layer with a trowel or throwing machine and level out wet-in-wet leaving no open spaces. Thickness per layer: 5 to max. 20 mm. For multilayer application, the preceding coating must be cured and roughened. Maximum total thickness (multilayer): 50 mm. Smoothen top layer with trowel. For further treatment with BEECK CONCRETE FILLER do not use a felt-covered tool.

Protect newly applied mortar from drying too fast, frost and rain. Minimum temperature: +5°C air and surface.

### Technical Features:

BEECK CONCRETE REPAIR MORTAR is a fiber-reinforced, virtually non-shrinking PCC repair mortar for cement based building materials. Capable of bearing both high static and dynamic stresses. Low water absorption and high CO<sub>2</sub> resistance ensure efficient corrosion protection of the reinforcing steel. Internally and externally monitored acc. to DIN 18 557.

### Physical/Technical Characteristics:

Coarse grain:	4 mm
Density when wet:	1.9 g/cm <sup>3</sup>
Compressive strength:	60 N/mm <sup>2</sup>
Tensile bond strength*):	3.5 N/mm <sup>2</sup>
Modulus of elasticity*):	22 N/mm <sup>2</sup>

\*) after 28 days

### Drying:

When prepared with water, process within 1 hour. Under normal conditions, per mm layer thickness dry after approx 2 hours. Keep from drying too fast, e.g. by using scaffold tarpaulin and repeated spraying with water.

### Yield:

Per mm layer thickness on smooth, normally absorbent surfaces: approx. 1.9 kg BEECK CONCRETE REPAIR MORTAR per m<sup>2</sup>.

### Available Sizes:

Bags of 25 kg.

### Cleaning:

Clean appliances, tools and clothes with water immediately after use.

### Storage:

Store BEECK CONCRETE REPAIR MORTAR cool and dry in the original bag on a wooden grid protected from humidity. Process within 6 months.

### Composition:

Cement based, organically modified filler mortar (PCC) with a particle-size distribution of up to 4 mm coarse grain.

## BEECK CONCRETE REPAIR MORTAR

### Surface and Pretreatment:

#### General Requirements:

The surface must be clean, dry, solid, coatable and free of efflorescing or water-repellent substances (mold oil, separating agents).

Use BEECK CONCRETE REPAIR MORTAR as a constituent of the BEECK Concrete Reconstruction System for filling and levelling out open spaces, flaws and for full-surface application.

#### General procedure:

Determine and expose defective spots. Derust reinforcing steel (Sa 2 1/2) and prime twice using BEECK CORROSION PROTECTION. Apply BEECK REINFORCING SEALANT and dust with BEECK QUARTZ SAND while still fresh. Fill with BEECK CONCRETE REPAIR MORTAR and fine-fill with BEECK CONCRETE FILLER.

For color treatment of surface use e.g. BEECKOTON or BEECK CONCRETE PRIMER.

**Please note:** For concrete reconstruction a precise diagnose of the concrete condition and a building specific concept will be required.

### Safety Instructions and Disposal:

#### ► Hazard Class: Irritating (Xi).

Avoid direct skin contact with cement based building materials. Protect eyes from splashes. Carefully cover all surfaces not to be treated, especially glass, ceramic and anodized surfaces. In case of contact, immediately rinse with plenty of water. Keep out of the reach of unauthorized persons.

Disposal of product remainders according to legal regulations. Disposal of empty containers through resource collection points.

#### ► Waste Code: Product and Product Remainers (European Waste Code): 170101.

It is our objective to provide, through this technical information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulation, disposal etc.