

# EpoxyShield® Concrete Repair Mortar



## Description

Powdered repair product on cement base and resins for inside and outside use.

## Main Properties

Quick hardening. Good mechanical strength. 100% shrink-resistant.

## Recommended Uses

For levelling and repairing cracks, holes and other damages in concrete, cement renderings and not painted brickwork.

## Technical Data

Appearance: powdery (before mixing)

Colour: grey

Density: 1.6 g/cm<sup>3</sup>

Recommended film thickness: wet film: 2cm (cons.: 25 kg/m<sup>2</sup>)

Dry film: 2cm (cons.: 25 kg/m<sup>2</sup>)

VOC-content: 0 g/l

Drying Times 20°C/50% r.h.

To recoat: 2 days

Full hardness: 1 month

### Coverage

Theoretical: max. 0,4 m<sup>2</sup> per 10 kg (film thickness 2cm)

## Surface Preparation

On bare substrate: clean with steel brush or sand blaster. The substrate must be solid and free from dust, oil and grease. Porous substrates must be moistened first. Metal parts are to be treated with an antirust primer (Combiprimer 3369/3380 or Hard Hat 2169/2182).

## Thinning & Application

### Mixing & Thinning

Mixing ratio: approximately 5 parts of powder to 1 part of water (2 litres of water for the entire 10 KG). Fill the container with the water. Add the dry mortar to the water whilst stirring. Mix water and powder thoroughly to a thick smooth, lump-free substance. Add some water to your liking if the mortar is too dry.

### Application:

Apply the product with the included trowel or spatula up to a maximum layer thickness of 2 cm. Wet the trowel to smooth out any trowel marks or irregularities. After 48 hours the surface can be sanded using a rough sandpaper (P120) to obtain a smooth end result.

### Cleanup:

Water.



## Application Conditions

Apply at a temperature of min. 5°C.

## Remarks

The mortar can now be over coated with EpoxyShield® coatings or other non-alkyd paints like epoxies, acrylics, etc.

If thicker layers are necessary (> 2cm) the mortar can be mixed with kiln dried quartz sand. Mixing ratio: 1 volume part mortar plus 0.3 to 0.5 volume parts of kiln dried quartz sand (0-4mm).

## Safety

Consult Safety Data Sheet and Safety Information printed on the can.

## Shelf Life / Storage Conditions

2 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.