



## Technical Data Sheet

# INDUFLOOR®-IB4010

## Epoxy repair mortar

**Art.-No. 5 55015**

### Properties:

INDUFLOOR-IB4010 is a two component filled epoxy resin mortar with the following properties:

- solvent free
- high compressive and flexural strength
- high resistance to mechanical loading.

### Areas of application:

INDUFLOOR-IB4010 is used

- for producing covered fillets
- as a heavy duty repair mortar for voids in concrete and cement-based screed surfaces e.g. on concrete roadways, ramps, industrial floors etc.

### Technical Data:

Basis:	two component epoxy resin
Colour:	grey
Viscosity:	mortar like
Mixing ratio:	100:3.6 parts by weight
Density:	approx. 2.00 g/cm <sup>3</sup>
Pot life:	approx. 40 minutes at +23° C
Application temperature:	min. approx. +10° C, max. approx. +30° C
Traffic after:	min. approx. 16 hours at +23° C
Overcoat after:	approx. 16 hours, max 24 hours at +23° C
Fully cured:	after approx. 7 days at +23° C
Min cure temperature:	+8° C
Compressive strength:	approx. 100 N/mm <sup>2</sup>
Flexural strength:	approx. 35 N/mm <sup>2</sup>
E-modulus:	approx. 16,000 N/mm <sup>2</sup>
Tensile adhesion strength:	B 1.5 (concrete)

### Cleaning:

Thoroughly clean tools immediately after use with INDU-IB Cleanser.

### Packaging:

INDUFLOOR-IB4010 is available in 12 kg containers. Components A and B are delivered in a predetermined mixing ratio.

### Storage:

18 months when stored dry and cool above +10° C in the original unopened packaging.

### Surface preparation:

The area to be treated must be:

- dry, firm, sound and have a good grip
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar
- protected from moisture ingress from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. shot blasting, scabbling, planing, grit blasting, brushing, sweeping, vacuuming, high pressure water jetting, pressure washing.

In addition the following criteria are to be fulfilled dependent on the substrate:

### Cementitious substrates:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CTC25-F4
- Age: min. 28 days
- Tensile adhesion strength: = 1.5 N/mm<sup>2</sup>
- Residual moisture: < 4%  
(carbide hygrometer method)

### Product preparation:

Components A (resin) and B (hardener) are delivered in a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be

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carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from striations); mixing time approx. 3 minutes. **The minimum temperature during mixing should be +15° C.** Do not use mixed material directly from the packaging. Decant the material into a clean container and mix through thoroughly once again.

## **Method of application/consumption:**

### **Priming:**

Evenly apply INDUFLOOR-IB1260 to damaged areas. Consumption: approx. 300 - 500 g/m<sup>2</sup> per coat.

### **Repair of damage and voids in concrete:**

Apply INDUFLOOR-IB4010 to the voids over the wet primer in one application, compact and strike off level with the surface.

Consumption: approx. 2.0 kg/m<sup>2</sup>/mm thickness.

### **Production of covered fillets:**

In one application, apply INDUFLOOR-IB4010 to the primed area to be covered whilst the primer is still wet, compact and strike off level with the surface. Cove radius: approx. 3 - 5 cm. Consumption: approx. 1.8 kg/m (with a cove radius of approx. 5 cm).

## **Health and safety:**

Once cured INDUFLOOR-IB4010 is harmless. The hardener (component B) is corrosive. When using this product the government health and safety protective directive, data sheet M 023, should be observed as well as the advice on the packaging.

## **Important advice:**

- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.

- The bond between the individual coats can be heavily impeded through the influence of dampness or contamination between the applied coats.
- When longer waiting times occur between application of the coats or where surfaces already treated with liquid resin must be re-coated after a long time, the surface must be well cleaned and abraded, after which a completely new closed-pore coating should be applied. It is not sufficient simply to overcoat.
- Surface protective systems must be protected for approx. 4 - 6 hours from dampness after application (e.g. rain, melt water). Dampness produces a white discolouration and/or stickiness on the surface and can impede the cure. Discoloured and/or sticky surfaces should be taken off e.g. by abrading and renewed.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of SCHOMBURG ICS GmbH.
- Cured product residues are to be disposed of under the waste disposal code 57123 "Epoxy resin".

Please observe a valid EU safety data sheet.

GISCODE: RE 1