



Technical Data Sheet

INDUFLOOR®-IB4015

Epoxy resin mortar

Art.-No. 5 55035

Properties:

INDUFLOOR-IB4015 is a two component, filled epoxy resin mortar.

- Solvent free
- High compressive and flexural strength
- Withstands high mechanical loading
- No primer / bonding agent necessary

Areas of application:

INDUFLOOR-IB4015 is used:

- For producing covered fillets
- As a heavy duty repair mortar for cracked or fractured areas in concrete and cement-based screed surfaces.

e.g. on concrete roadways, ramps, industrial floors etc.

Typical Properties:

Basis:	2-comp. epoxy resin
Colour:	grey
Viscosity:	mortar like
Mixing ratio:	100 : 5.2 parts by weight
Density:	approx. 2.00 g/cm ³
Application/substrate temperature:	min. approx. +10°C, max. approx. +30°C
Higher temperatures shorten/lower temperatures increase the pot life and curing time.	
Pot life:	approx. 40 mins. at +23°C
Minimum cure temperature:	+8°C
Foot traffic after:	min. approx. 16 hrs at +23°C
Overcoat after:	approx. 16 hrs, max. 24 hrs at +23°C
Full cure:	after approx. 7 days at +23°C

Technical Properties:

Compressive strength:	approx. 110 N/mm ²
Flexural strength:	approx. 40 N/mm ²
Tensile adhesion strength:	concrete 1.5

Substrate:

The area to be treated must be:

- Dry, firm, load-bearing and have a good grip
- Free from separating and adhesion inhibiting substances such as dust, laitance, grease, rubber marks, paint residues and similar.
- Protected from moisture penetration from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g.

- shot-blasting, scabbling, vacuuming or grit-blasting.

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

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Tensile adhesion strength: = 1.5 N/mm²
- 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 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.

INDUFLOOR®-IB4015

3 minutes. The minimum temperature of the material during mixing should be approx. +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:

Repair of cracks/fractures and defects in the concrete:

INDUFLOOR-IB4015 is applied to the prepared defective area in one application, compacted and the surface struck off flush.

Consumption: approx. 2000 g/m²/mm thickness.

Production of covered fillets:

Apply the INDUFLOOR-IB4015 to the area where the fillet is required in one application, compact and strike off the surface flush.

Coved fillet radius: approx. 3 to 5 cm

Consumption: approx. 1800 g/m (at approx. 5 cm fillet radius).

Optional:

Priming:

Apply INDUFLOOR-IB1230 evenly to the defective area in one application.

Consumption: approx. 300 - 500 g/m²/coat.

Cleaning & Equipment Maintenance:

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

Packaging:

INDUFLOOR-IB4015 is available in 8 kg containers.

Larger containers available on request.

Components A and B are supplied in a pre-determined mixing ratio.

Storage & Shelf Life:

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

Health and safety:

Once cured INDUFLOOR-IB4015 is considered

harmless. The hardener (B) component is corrosive. Current relevant legislation should be followed at all times when working with epoxies, e.g. hazmat transportation, etc. For more information please consult www.plasticseurope.org.

Important advice:

- The application temperature may not fall below +10 °C nor exceed +40° C.
- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.
- To increase pot life/working time at higher temperature store material in a cool environment above +10° C and only expose to warm temperature shortly before mixing.
- 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 pore free sealing should be undertaken. It is not sufficient to simply overcoat.
- Protect surface protection and mortar systems from moisture (e.g. rain) for approx. 4 – 6 hours after application. 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 or blasting 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 waste disposal classification 57123 "Epoxy resin".

GISCODE: RE 1