



Technical Data Sheet

INDUFLOOR®-IB 1225

Primer - water pollution control

Art.-No. 5 55001

Properties:

INDUFLOOR-IB1225 is a two component epoxy resin with the following properties:

- solvent free
- transparent
- low viscosity
- pore filling
- withstands mechanical loading
- watertight
- very low „liquid water-vapour permeability“ rate (DIN EN ISO 7783-1) = 1.2 g/m²xd
- resistant to diluted alkalis, acids, aqueous salt solutions, lubricants
- tendency to yellowing.

Areas of application

INDUFLOOR-IB1225 is used:

- as a system component in the WHG-Systems (water pollution control).
==> INDUFLOOR-IB-GWS 2
==> INDUFLOOR-IB-GWS 3
- as a pore blocking primer for cement-based substrates that will be coated with INDUFLOOR systems
- for producing levelling and scratch coats for substrate preparation for coating measures
- for producing epoxy resin screeds.

Technical Data:

Basis:	two component epoxy resin
Colour:	transparent
Viscosity:	approx. 640 ± 80 mPA s at +23° C
Mixing ratio:	2:1 parts by weight
Density:	approx. 1,09 g/cm ³ at +23° C
Pot life:	approx. 25 - 35 minutes at +23° C
Foot traffic after:	approx. 16 hours at +23° C

Overcoat after:	approx. 16 hours up to a max. 24 hours at +23° C
Fully cured:	after approx. 7 days at +23° C
Min. cure temperature:	+8° C
Compressive strength:	approx. 67 N/mm ²
Flexural strength:	approx. 32 N/mm ²
Tensile adhesion strength:	B 1,5

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 the effects of moisture from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. sweeping, vacuuming, brushing, planing, scabbling, grit-blasting, shot-blasting, high pressure water jetting. The following criteria are to be observed dependent on the particular substrate:

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CTC25-F4
- Plaster quality: PIIIa/b
- Age: min. 28 days
- Tensile adhesion strength: = 1.5 N/mm²
(plaster 0.8 N/mm²)
- Residual moisture: < 4.0% (carbide hygrometer)

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

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(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 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.

Notes:

When using the product ensure that it is applied by flooding evenly over the prepared substrate. Irregularities lead to capillary active pores in the cured priming coat and promote the formation of bubbles especially osmosis bubbles. To ensure a priming coat has blocked pores apply a second coat. Pore blocking can also be ensured through the application of a second layer of a dense smoothing mortar. This smoothing mortar is produced from the priming resin with the addition of quartz sand. When adding aggregates (e.g. quartz sand) ensure that the aggregate is dry and also has a temperature of approx. +15° C.

Production of levelling / scratch coats:

INDUFLOOR-IB1225:	1.0 part by weight
Quartz sand:	approx. 1.0 part by weight (grade: 0.1 – 0.6 or 0.2 – 0.7 mm)
INDU-FibreFiller:	approx. 1.5 – 2 % by weight

The quartz sand is mixed with the previously mixed and decanted resin and hardener components. Ensure that the liquid and solid components are evenly mixed together. Before application on vertical or steeply sloping surfaces it is recommended that with levelling / scratch coats INDU-FibreFiller is added. The addition rate lies between 4 – 5 % by weight dependent on the degree of slope.

Production of epoxy resin screeds:

Thickness:	approx. 5 – 15 mm
INDUFLOOR-IB1225:	1.0 part by weight

Quartz sand:	7.5 – 10.0 parts by weight
Grading:	0.06 – 1.5 mm diameter
Thickness:	> 15 mm
INDUFLOOR-IB1225:	1.0 part by weight
Quartz sand:	12.5 – 15.0 parts by weight
Grading:	0.06 – 3.5 mm diameter

Place the predetermined quantity of quartz sand in a forced action mixer (e.g. type Zyklus or UEZ). Subsequently add the previously homogeneously mixed resin and hardener components. Ensure that the liquid and solid components are evenly mixed together.

Method of application / consumption:

Priming:

Apply INDUFLOOR-IB1225 in two coats.
Consumption: approx. 300 – 500 g/m² per coat.
Broadcast quartz sand into the freshly applied primer (grade: 0.1 – 0.4 or 0.2 – 0.7 mm).
Consumption: approx. 0.8 – 1.0 kg/m².

Levelling / scratch coat:

Firstly prime the floor with INDUFLOOR-IB1225.
Consumption: approx 300 – 500 g/m².
The mixed smoothing compound is skim applied in one coat. Consumption: approx. 1.6 kg/m²/mm.

Epoxy resin screed:

Firstly prime the floor with INDUFLOOR-IB1225.
Consumption: approx 300 – 500 g/m².
Apply the mixed screed to the freshly primed area at a minimum thickness of approx. 5mm, strike off with a lath and mechanically smoothen (use a blade or plate power float). Consumption: approx. 2.0 kg/m²/mm.

Cleaning & Equipment Maintenance:

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

Packaging:

INDUFLOOR-IB1225 is available in 3 kg, 10 kg and 30 kg containers. Components A and B are delivered in a predetermined mixing ratio.

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Storage & Shelf Life:

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

Note: With frequent temperature change INDUFLOOR-IB1225 can crystallize out. It is then necessary to warm the product in a water bath at +50° C to +60° C in order to use it after approx. 2 hours without restriction.

Health and safety:

Once cured INDUFLOOR-IB1225 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 to one another 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 protective 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 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".

Please observe a valid EU safety data sheet.

GISCODE: RE 1