



Technical Data Sheet

INDUFLOOR®-IB3380

Decorative floor binder

Art.-No. 5 55010

Properties:

INDUFLOOR-IB3380 is a colourless, two component epoxy resin with the following properties:

- solvent free
- conforms to VOC guidelines
- medium viscosity
- can be highly filled
- mechanically resistant
- watertight
- resistant to dilute alkalis, acids, aqueous salt solutions, lubricants.

Areas of application:

INDUFLOOR-IB3380 is used as a binder for producing decorative finishes with added coloured sand with non-slip surfaces that are impervious to liquids; in showrooms, sales rooms, commercial kitchens, production areas, passages, access balconies etc.

Technical Data:

Basis:	two component epoxy resin
Colour:	colourless
Mixing ratio:	100:45 parts by weight
Density:	approx. $1.15 \pm 0.02 \text{ g/cm}^3$ at +23° C
Pot life:	approx. 25 minutes at +23° C
Application temperature:	min. approx. +10° C, max. approx. +30° C
Traffic after:	approx. 12 hours at +23° C
Overcoat after:	approx. 12 hours up to max 24 hours at +23° C
Fully cured:	after approx. 7 days at +23° C
Min. cure temperature:	+10° C

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, rubber marks, paint residues and similar.

Use suitable means to prepare the substrate dependent on its condition such as e.g. shot-blasting, planing, scabbling, brushing, sweeping, vacuuming. 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-F6
- Age: min. 28 days
- Tensile adhesion strength: = 1.5 N/mm^2
- Residual moisture: < 4%
(carbide hygrometer method)
- Protected against moisture ingress from the rear

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. 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.

Production of the finish interspersed with coloured sand:

INDUFLOOR-IB3380:	1.0 part by weight
INDU-CSB-Quartz:	approx. 1.0 part by weight

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Place the predetermined quantity of INDU-CSB-Quartz in a large mixing container or forced paddle mixer, e.g. UEZ, Zyklus or similar. Subsequently add the prepared homogenously mixed and decanted binder. Ensure that the liquid and solid components are evenly dispersed. Mixing time 2 – 3 minutes. Before application to steeply sloping surfaces it is recommended that INDU-FibreFiller is added. The addition rate is between 2 and 4% by weight dependent on the slope.

Method of application / consumption:

Priming:

Flood apply INDUFLOOR-IB1260 until pore-tight in one application.

Consumption: approx. 300 – 600 g/m².

Broadcast quartz sand of grain size 0.2 – 0.7 mm into the primer.

Notes:

- If INDUFLOOR-IB1260 is broadcast with quartz sand priming is to be carried out in two applications. The second coat is to be applied after a minimum waiting time of 12 hours and within a further 12 hours. Broadcast quartz sand (grain size e.g. 0.2 – 0.7 mm).

Consumption: approx. 0.8 – 1.0 kg/m².

Once hardened thoroughly remove unbonded quartz sand before the application of the coloured sanded finish.

Coloured sanded finish:

Firstly tip the homogenously mixed coloured sanded finish on to the prepared substrate and trowel apply by hand in one application and evenly spread avoiding trowel marks. Material consumption: approx.

1.6 kg/m² per mm thickness.

Sanding:

Whilst the finish is still wet, broadcast to excess with coloured sand INDU-CSB-Quartz. Consumption: approx. 3.0 – 3.5 kg/m².

Pore closing/finishing coat:

Once the broadcast sanded coat has hardened thoroughly remove excess unbonded INDU-CSB-Quartz. Afterwards carry out intermediate abrasion of the broadcast surface and clean once again. Once cleaned close the coloured sanded surface by sealing with the clear lacquer INDUFLOOR-IB2010.

Consumption: approx. 350 – 700 g/m² (dependent on the required degree of non-slip).

The mixed clear lacquer INDUFLOOR-IB2010 is tipped on to the surface, spread with a solvent resistant rubber squeegee and rolled with a short nap wool roller at right angles.

Notes:

The clear lacquer must be spread immediately after tipping on to the surface. If this is not observed then selected areas will show dark colouration due to greater material consumption.

Cleaning & Equipment Maintenance:

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

Packaging:

INDUFLOOR-IB3380 is available in 10 kg and 30 kg containers. Components A and B are delivered in a predetermined mixing ratio.

Storage & Shelf Life:

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

Health and safety:

Once cured INDUFLOOR-IB 3380 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.

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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 old 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