



## Technical Data Sheet

# INDUFLOOR®-IB3385

Art.-No. 5 55020

## Exterior coating, elastic

### Properties:

INDUFLOOR-IB3385 is a solvent free, pigmented two component polyurethane resin with the following properties:

- elastic and crack bridging up to 0.4 mm
- resistant to weakly concentrated acids and alkalis and conventional cleaning agents at application concentrations
- resistant to weathering
- UV resistant.

### Areas of application:

INDUFLOOR-IB3385 is used as an elastic floor coating

- on balconies and terraces
- on access balconies and corridors
- in common rooms
- in showrooms, sales rooms and passages
- for the production of decorative surfaces with INDU-ColorChips.

### Technical Data:

Basis:	two component polyurethane resin
Colours:	approx. RAL 7032
Density:	approx. 1.50 g/cm <sup>3</sup> at +23° C
Mixing ratio:	100:25 parts by weight
Pot life:	approx. 25 minutes at +23° C
Application temperature:	min. approx. +8° C, max. approx. +30° C
Min. cure temperature:	+8° C
Relative humidity:	< 75%
Traffic after:	approx. 16 hours at +23° C
Overcoat after:	approx. 16 hours up to max 24 hours at +23° C
Fully cured:	after approx. 7 days at +23° C

Shore-D-hardness: approx. 38 after 7 days at +23° C

Tear resistance (DIN 52515): approx. 9.0 N/mm<sup>2</sup>

Elongation at break: (DIN 53504): approx. 120%

Tear strength (DIN 53504): approx. 4.5 N/mm<sup>2</sup>

### Cleaning:

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

### Packaging:

14 kg containers. Components A and B are delivered in a predetermined mixing ratio.

### Storage:

12 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, rubber marks, paint residues and similar
- protected against water ingress from the rear.

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

In addition the minimum requirements for cement-based surfaces are to be fulfilled:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CTC25-F6
- Tensile adhesion strength: > 1.5 N/mm<sup>2</sup>

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## 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. 5 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. Before application to vertical or sloping surfaces it is recommended that INDU-FibreFiller is added. The addition rate is between 3 and 5% by weight dependent on the slope. Firstly stir the rheology modifier into the resin component followed by the addition of the hardener component and then mix intensively.

## Production of levelling/scratch coat:

INDUFLOOR-IB1260:	1.0 part by weight
Quartz sand:	1.0 part by weight (grain size: 0.1 – 0.6 or 0.2 – 0.7 mm diameter)
INDU-FibreFiller:	approx. 1.5 to 2.0 weight by percentage

The quartz sand is mixed into the previously homogeneously prepared and decanted resin and hardener components of the INDUFLOOR-IB1260 binder. Ensure that the liquid and solid components are evenly mixed. Before application to vertical or sloping surfaces it is recommended that INDU-FibreFiller is added to the levelling/scratch coat. The addition rate is between 3 and 5% by weight dependent on the degree of slope.

## Method of application / consumption:

1. Substrate preparation: see above
2. Priming: Roller apply INDUFLOOR-IB1260 (see technical data sheet).  
Consumption: min. 300 – 600 g/m<sup>2</sup>.

3. Broadcast quartz sand of grain size 0.2 – 0.7 mm into the wet coat. Consumption: approx. 0.8 – 1.0 kg/m<sup>2</sup>. Once the primer has hardened thoroughly remove unbonded quartz sand.

## Application of the finish coat:

4. Trowel apply INDUFLOOR-IB3385 with a "tapered notched trowel" or rake. Minimum consumption: approx. 1.5 kg/m<sup>2</sup>.
5. To de-aerate the finish coat it is imperative that a spiked roller is used to avoid the formation of bubbles.

## Optional: production of a decorative surface:

6. Spread the coloured chippings INDU-ColorChips into the wet coating. Consumption: Closed surface: approx. 700 – 800 g/m<sup>2</sup>. Open surface: from approx. 15 – 100 g/m<sup>2</sup>. With a closed surface thoroughly remove all unbonded coloured chippings, once the coating has hardened, by vacuuming or sweeping. Afterwards lightly abrade and thoroughly clean by vacuuming.
7. Application of the finish coat: Evenly seal the closed or open broadcast surface with e.g. INDUFLOOR-IB2250 (matt sealer). Consumption: approx. 200 – 300 g/m<sup>2</sup>.

## Possible situation:

Levelling of voids, large pores and unevenness: After application of the primer, apply a scratch coat of the mixed mortar (see above) in a single application. Consumption of finished mortar: approx. 1.6 kg/m<sup>2</sup>/mm thickness.

To avoid the formation of bubbles in the following finish coat, seal the scratch coat pore-tight with INDUFLOOR-IB1260. Consumption: approx. 0.3 – 0.6 kg/m<sup>2</sup>. When waiting times will exceed 24 hours before the application of following coatings, broadcast kiln dried quartz sand of grain size 0.2 – 0.7 mm into the wet sealing coat. Consumption: approx. 0.8 – 1.0 kg/m<sup>2</sup>.

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Once the sealing coat has cured, thoroughly remove all unbonded quartz sand. After a waiting time of min. 16 to max. 24 hours apply the finishing coat.

## Notes:

- Before application to vertical or sloping surfaces it is recommended that INDU-FibreFiller is added. The addition rate is between 3 and 5% by weight.
- Where there is residual moisture of > 4% or where there is negative moisture pressure use the moisture barrier INDUFLOOR-IB1250 as a primer (see Technical Data Sheet).
- Waiting times between individual coatings: between a minimum of 16 and 24 hours at +23° C and 75% relative humidity.
- Only walk over surfaces broadcast with decorative chippings with clean footwear in order to avoid contamination.
- When working with rubber squeegees use only solvent resistant tools.

## Health and safety:

Once cured INDUFLOOR-IB3385 is harmless. 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:

- 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 over-coat.

- 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.
- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.
- 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.
- Disposal key: liquid product residues: EAK 08 01 11 paint and lacquer waste that contains organic solvents or other dangerous substances. Cured product residues: EAK 17 02 023 plastics.

Please observe a valid EU safety data sheet.

GISCODE: PU 40