



Technical Data Sheet

INDUFLOOR®-IB3360

Art.-No. 5 55002

Elastic coating

Properties:

INDUFLOOR-IB3360 is a solvent free, pigmented two component epoxy-polyurethane resin with the following properties:

- elasticated and crack bridging up to 0.3 mm
- resistant to low concentration acids and alkalis as well as conventional cleaning agents at application concentrations
- sound reduction (4 - 7 decibel)
- resistant to weathering, tends due discolour under UV light.

Areas of application:

INDUFLOOR-IB3360 is used as an elastic industrial floor coating

- in production areas and warehouses
- as an elastic coating on asphalt screeds
- for the production of decorative surfaces together with INDU-ColorChips on terraces, balconies, access balconies etc.

Technical Data:

Basis:	two component epoxy-polyurethane resin
Colours:	approx. RAL 7032
Density:	approx. 1.31 g/cm ³ at +23° C
Mixing ratio:	4:1 parts by weight
Pot life:	approx. 35 minutes at +23° C
Application temperature:	min +8° C, max +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. 70 after 7 days at +23° C
Tensile adhesion strength:	B 1.5 (concrete)

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.

In addition the following minimum substrate requirements for cementitious substrates are to be fulfilled.

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Tensile adhesion strength: > 1.5 N/mm²
- Asphalt screed quality: min. GE10

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.

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Production of levelling/scratch coat:

INDUFLOOR-IB1260:	1.0 part by weight
Quartzsand:	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 homogenously 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 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/m².
3. Broadcast quartz sand of grain size 0.2 - 0.7 mm into the wet coat. Consumption: approx. 0.8 - 1.0 kg/m². Once the primer has hardened thoroughly remove unbonded quartz sand.

Application of the finish coat:

4. Trowel apply INDUFLOOR-IB3360. Minimum consumption: approx. 1.5 kg/m².
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/m². Open surface: from approx. 15 - 100 g/m². 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 Ultra Protect. Consumption: Porous backgrounds: approx. 100 - 150 g/m². Non-porous backgrounds: approx. 60 - 80 g/m².

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/m²/mm thickness.

To avoid the formation of bubbles in the following finish coat, seal the scratch coat pore-tight with INDUFLOOR-IB1260. Consumption: approx. 300 - 600 g/m².

When waiting times will exceed 24 hours before the application of following coatings, broadcast kiln dried quartz sand of particle size 0.2 - 0.7 mm into the wet sealing coat. Consumption: approx. 0.8 - 1.0 kg/m². 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 next coating.

Notes:

- Before application to vertical or sloping surfaces it is recommended that INDU-ThixPowder or 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.
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Cleaning & Equipment Maintenance:

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

Packaging:

15 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-IB3360 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 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.
- 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.
- 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