



Technical Data Sheet

INDUFLOOR®-IB3365

Parking deck coating

Art.-No. 5 55023

Properties:

INDUFLOOR-IB3365 is a parking deck coating with the following properties:

- two component epoxy-polyurethane resin
- solvent free
- pigmented
- crack bridging
- resistant to petrol, motor oil
- resistant to de-icing salts and weather influences
- strongly resistant in heavy duty applications
- elastic when cold and also crack bridging at low temperatures (-20° C).

Areas of application:

INDUFLOOR-IB3365 is used as a crack bridging coating, which is impervious to liquids, on concrete and cement-based screeds for example:

- on parking and access areas in car parks and garages
- on industrial floor areas
- bridge parapets.

INDUFLOOR-IB3365 fulfils the requirements for crack bridging in accordance with OS11 of the DAfStb guidelines (German committee for reinforced concrete) – protection and restoration of concrete structures.

Technical Data:

Basis:	epoxy-polyurethane resin
Colour:	approx. RAL 7032
Viscosity:	approx. 2500 mPa s ± 100 at +23° C
Density:	approx. 1.25 g/cm ³ at +23° C
Mixing ratio:	100:18 parts by weight
Pot life:	approx. 45 minutes at +23° C approx. 15 minutes at +30° C

Curing temperature:	(material / substrate) +8° C to +30° C
Traffic after:	approx. 16 hours at +23° C
Overcoat after:	approx. 16 hours up to max 24 hours at +23° C
Mechanical loading:	after approx. 3 days at +23° C
Fully cured:	after approx. 7 days at +23° C
Elongation at break:	approx. 130% at +23° C approx. 110% at -20° C
Tear strength:	approx. 5.3 N/mm ² at +23° C approx. 12.7 N/mm ² at -20° C
Shore-A-hardness:	approx. 85
Tensile adhesion strength:	>B 1.5 (concrete failure)

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 from moisture ingress from the rear.

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

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. CTC25-F6
- Age: min. 28 days
- Tensile adhesion strength: > 1.5 N/mm²
- Residual moisture: < 4%
(carbide hygrometer method)

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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.

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% by weight

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 the rheology modifier 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:

Standard construction of the car park deck system INDUFLOOR-IB3365 to OS 11 of the SIB guidelines of the DAfStb:

1. Substrate preparation: see above
2. Priming of the total area: Apply INDUFLOOR-IB1260 in two applications (see technical data sheet). Consumption: approx. 300 – 600 g/m².

- 2.1 Broadcast quartz sand of grain size 0.2 – 0.7 mm into the wet coat. Consumption: approx. 1.0 kg/m².
- 2.2 Once the primer has hardened thoroughly remove unbonded quartz sand.
3. Trowel apply an intermediate coat of INDUFLOOR-IB3365 to a thickness of approx. 1.5 mm. Consumption: approx. 1,900 g/m².
- 3.1 It is imperative to de-aerate the applied intermediate coat by rolling with a spiked roller.
4. Trowel apply the wearing coat of INDUFLOOR-IB3365 in one application. Consumption: approx. 1,500 g/m².
- 4.1 Broadcast quartz sand, grain size 0.7 – 1.2 mm, into the wet coating. Consumption: approx. 4 kg/m².
- 4.2 Once cured thoroughly remove unbonded quartz sand before applying the finishing coat.
5. Roller apply the finishing coat INDUFLOOR-IB2320 in one application. Consumption: approx. 600 g/m².

Waiting time between individual coats: always approx. 16 hours up to a max of 24 hours at +23° C and 65% relative humidity.

Cleaning & Equipment Maintenance:

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

Packaging:

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

Storage & Shelf Life:

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

Health and safety:

Once cured INDUFLOOR-IB 3365 is considered harmless. The hardener (B) component is corrosive. Current relevant legislation should be followed at

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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 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