



Technical Data Sheet

INDUFLOOR®-IB3395

Conductive textured coating

Art.-No. 5 55028

Properties:

INDUFLOOR-IB3395 is a pigmented, solvent free, two component epoxy coating with the following properties:

- conductive, once fully cured
- studded surface structure
- slip resistant
- high mechanical abrasion resistance
- resistant to many acids and alkalis as well as conventional cleaning agents at application concentrations
- resistant to weathering
- conductive: $< 107 \Omega$

Areas of application:

INDUFLOOR-IB3395 is used

- in interior and exterior areas as a mechanically resistant industrial floor coating on cementitious surfaces such as concrete and screed
- in production areas and warehouses – predominantly in the car industry
- in computer rooms, electronical environments
- in commercial printing facilities
- in hospitals.

Technical Data:

Basis:	two component epoxy resin
Standard colours:	approx. RAL 7032
Density:	approx. 1.55 g/cm^3 at $+23^\circ \text{ C}$
Mixing ratio:	100:20 parts by weight
Pot life:	approx. 45 minutes at $+10^\circ \text{ C}$ approx. 35 minutes at $+20^\circ \text{ C}$ approx. 15 minutes at $+30^\circ \text{ C}$
Min cure temperature:	$+10^\circ \text{ C}$
Traffic after:	approx. 12 hours at $+23^\circ \text{ C}$

Overcoat after:	approx. 12 hours / max 24 hours at $+23^\circ \text{ C}$
Fully cured:	after approx. 7 days at $+23^\circ \text{ C}$
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 CTC25-F4
- Tensile adhesion strength: $> 1.5 \text{ N/mm}^2$

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 $+15^\circ \text{ C}$. **Do not use mixed material directly from the packaging.** Decant the material into a clean container and mix through thoroughly once again.

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Method of application/consumption:

INDUFLOOR-IB3395 is applied by roller.

Structural Coating – Conductive

System Build-up 1: Application with INDU-Leitquarz

1. Place copper fibers, INDU-Leitband, evenly with approx consumption: 5/5 m.
2. Primer INDUFLOOR-IB1260 is applied in one coat, sealing all pores with minimum consumption of 400 – 600 g/m².
3. Evenly broadcast INDU-Leitquarz directly onto primer while it is still tacky. Consumption: approx. 1.200 g/m². After primer is cured, carefully sweep-up excess unbonded INDU-Leitquarz.
4. Application of Conductive Structural Coating: After application of the primer, INDUFLOOR-IB3395 is applied in one coat with a notched rubber squeegee, and backrolled with a textured roller. Consumption: approx. 600 – 800 g/m²

System Build-up 2:

Application with INDUFLOOR-IB2115

(conductive lacquer)

5. Primer INDUFLOOR-IB1260 is applied in one coat, sealing all pores with minimum consumption of 400 – 600 g/m².
6. While primer is still tacky, broadcast evenly with INDU-Quarzsand. Aggregate size: 0,2 – 0,7 mm. Consumption: approx: 800 – 1.000 g/m². After Primer is fully cured, carefully sweep-up excess unbonded INDU-Quarzsand.
7. Place copper fibers, INDU-Leitband, evenly with approx consumption: 5/5 m.
8. Apply conductive lacquer INDUFLOOR-IB2115. Consumption: approx. 200 g/m²
9. Application of the conductive structural coating: After applying the conductive primer coating, apply INDUFLOOR-IB3395 with a notched rubber squeegee and backroll with a textured roller. Consumption: approx. 600 – 800 g/m²

Notes:

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).

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-IB3395 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 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
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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