



Technical Data Sheet

INDUFLOOR®-IB2385

Active corrosion protection

Art.-No. 5 55022

Properties:

INDUFLOOR-IB2385 is a solvent-based, pigmented two component strong stable epoxy resin with the following properties:

- viscoplastic
- highly abrasion resistant and high hardness
- alkali and acid resistant
- water and sea water resistant.

Areas of application:

- Active corrosion protection for iron and steel
- protects iron reinforcement.

Technical Data:

Basis:	two component strong stable epoxy resin
Colours:	approx. RAL 1002 approx. RAL 8012
Mixing ratio:	9:1 (A:B)
Viscosity:	1,100 mPA s at +23° C
Density:	1.70 g/cm ³ at +23° C
Solids contents:	approx. 75 ± 1%
Pot life:	90 minutes at +23° C
Traffic / overcoat after:	approx. 16 hours at +23° C
Fully cured:	after approx. 7 days at +23° C
Min. cure temperature:	+8° C
MEL value:	440 mg/m ² of air

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
- prepare iron and steel surfaces by appropriately de-rusting to standard purity Sa 2.5 in accordance with DIN 55 928.

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.

Method of application / consumption:

Apply INDUFLOOR-IB2385 by roller, brush or spray in two applications alternating the colour.

Application example:

Protective coating for a steel surface with the INDUFLOOR-IB2385/INDUFLOOR-IB2380 system:

1. Surface preparation:
Sand blasting according to Rost Pt. 2.213 (optimum abrasion depth 50l) [bare metal]. Apply corrosion protective coating in two applications: by roller, brush or spray in alternating colours.
2. First coat: colour approx. RAL 1002
3. Second coat: colour approx. RAL 8012
Consumption: approx. 150 – 200 g/m² per coat.
4. Application of the finish coat is carried out with INDUFLOOR-IB2380 in 2-3 applications.

Waiting time between the individual coats:
approx. 16 hours at +20° C.

Cleaning & Equipment Maintenance:

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

INDUFLOOR®-IB2385

Packaging:

1 kg (nine containers (box). Other pack sizes on request. 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-IB2385 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 product contains solvent. When working in enclosed areas ensure that there is adequate ventilation and extraction (440 mg/m³ of air).
- When exposure limits are exceeded respiratory protection is necessary e.g. full face mask. Gas filter A (brown). When spraying the product combination filters are necessary with a particle filter of class P2. In cases of uncertainty or in enclosed spaces (e.g. in silos) use an independent breathing apparatus.
- The bond between the individual coats to one another 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 new coat should be applied. In is not sufficient simply to overcoat.
- Protect surface protective systems from moisture (e.g. rain) for approx. 4 - 6 hours after application. 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.
- Waste disposal classification: liquid product residues: EAK 08 01 11 paint and lacquer waste which contain organic solvents or other dangerous substances. Cured residues: EAK 17 02 03 plastic.

Please observe a valid EU safety data sheet.

GISCODE: RU 1