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SCHOMBURG

Technical Data Sheet

INDUFLOOR®-IB2380

Art.-No. 5 55013

Concrete and steel protection

Properties:
INDUFLOOR-IB2380 is a pigmented two component epoxy resin with the following properties:
- solvent based
- low viscosity
- highly abrasion resistant
- water and sea water resistant
- highly resistant to chemicals
- tendency towards yellowing.

Areas of application:
INDUFLOOR-IB2380 is used in interior and exterior installations as a sealer for cement-based substrates such as concrete, screed and plaster e.g. in warehouses, workshops, multi-storey car parks, sewage treatment plants, waste water containers etc. as well as for sealing iron and steel areas.

Technical Data:

Basis:	two component epoxy resin
Colour:	approx. RAL 7032
Solids contents:	approx. 73 ± 1%
Mixing ratio:	9:1 parts by weight
Density:	approx. 1.40 g/cm³ at +23° C
Pot life:	approx. 60 minutes at +23° C
Application temperature:	min. approx. +8° C, max. approx. +30° C
Traffic after:	approx. 12 hours at +23° C
Overcoat after:	approx. 12 hrs up to a max. 24 hrs at +23° C (with INDUFLOOR-IB 2380)
Fully cured:	after approx. 7 days at +23° C
Min. cure temperature:	+8° C
Flash point:	above +21° C

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. sweeping, vacuuming, brushing, planing, scabbling, grit-blasting, high pressure water jetting or shot blasting.

The following criteria are to be observed dependent on the particular substrate:

Cementitious surfaces:

• Concrete quality:	min. C20/25
• Age:	min. 3 days
• Screed quality:	min. EN 13813 CT-C25-F4
• Plaster quality:	PIII
• Age:	min. 28 days
• Tensile adhesion strength:	= 1.5 N/mm² (plaster 0.8 N/mm²)
• Residual moisture:	< 6% (carbide hygrometer method)

Iron and steel surfaces:
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

INDUFLOOR®-IB2380

homogenous (free from striations); mixing time approx. 3 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-IB2380 on to the prepared substrate by brush or roller in two to three applications. Consumption: approx. 250 g/m² per coat.

Advice:
Prepare cement-based surfaces with INDUFLOOR-IB1010 and iron or steel surfaces with INDUFLOOR-IB2385.

Cleaning & Equipment Maintenance:
Thoroughly clean tools immediately after use with INDU-IB Cleanser.

Packaging:
INDUFLOOR-IB 2380 is available in 15 kg and 25 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-IB2380 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.
- 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 sealing coat should be applied.
- 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.
- Cured product residues are to be disposed of under waste disposal number 57123 "epoxy resin".

Please observe a valid EU safety data sheet.

GISCODE: RE 3