



Technical Data Sheet

INDUFLOOR®-IB2370

Effluent waterproof protection

Art.-No. 5 55005

Properties:

INDUFLOOR-IB2370 is a waterproof protection for waste water with the following properties:

- solvent free
- thixotropic
- abrasion resistant
- water, effluent and sea water resistant
- resistant to diluted acids, alkalis and aliphatic hydrocarbons such as petrol, oil and diesel fuel.

Areas of application:

INDUFLOOR-IB2370 is used for coating cement-based surfaces especially in the waste water sector e.g.

- in sewage plants
- in waste water pipes
- in biogas installations
- as a corrosion inhibitor in hydraulic steel construction e.g. as a protective coating for sluices, harbour installations and steel sheet pile walling.

Typical Properties:

Basis:	2-comp. fluid epoxy resin
Colours:	black / red
Viscosity:	thixotropic
Density:	approx. 1.40 g/cm ³ at +23° C
Mixing ratio:	7:1 parts by weight
Pot life:	approx. 50 mins. at +23° C
Application/Substrate temperature:	min. approx. +10° C, max. approx. +35° C
Min. cure temperature:	+10° C
Fully cured:	after approx. 7 days at +23° C
Overcoat after:	approx. 16 hrs up to max. 24 hrs at +23° C

Technical Properties:

Shore 'D':	D/84/1 (ASTM D 2240:05)
Adhesion strength:	2.5 N/mm ² (ASTM D 4541:02)

Tensile strength:	60 N/mm ² (ASTM D 412-98a)
Abrasion resistance:	152 mg (ASTM D 4060:01)
Water absorption:	approx. 0.2% to DIN 53495
*Full chemical resistance testing results available upon request	

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
- Screed quality: min. CTC25-F4
- Plaster quality: PIII
- Age: min. 28 days
- Tensile adhesion strength: > 1.5 N/mm²
(plaster 0.8 N/mm²)
- Residual moisture: < 4%
(carbide hygrometer method)

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

INDUFLOOR®-IB2370

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:

Corrosion inhibitor:

Apply INDUFLOOR-IB2370 by roller, brush or spray in 2 - 3 applications.
Consumption: approx. 400 g/m² per coat.

Rolled coating (thin coating):

Primer: INDUFLOOR-IB1260
Consumption: approx. 300 – 500 g/m²
Roller apply INDUFLOOR-IB2370 in 2 - 3 applications.
Consumption: approx. 400 - 500 g/m² per coat.
Work through with a de-aerator to remove trapped air.

Notes:

When working externally or when work will be interrupted broadcast quartz sand 0.1 - 0.4 mm or 0.2 - 0.7 mm diameter between the individual coats. This guarantees a good bond between the individual coats.

High build coating:

Primer: INDUFLOOR-IB1260
Consumption: approx. 300 – 600 g/m²
Fill INDUFLOOR-IB2370 with 30% quartz sand (0.2 - 0.7 mm diameter) and trowel apply in one application. Consumption: approx. 1.2 kg/m² pure INDUFLOOR-IB2370 per mm thickness. In order to

avoid the formation of bubbles aerate the coating with a spiked roller.

Cleaning & Equipment Maintenance:

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

Packaging:

INDUFLOOR-IB2370 is available in 15 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-IB2370 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 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
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INDUFLOOR®-IB2370

long time, the surface must be well cleaned and abraded, after which a completely new pore free coating should be applied. It is not sufficient to simply overcoat.

- Protect surface protective systems from moisture (e.g. rain, melt water) for approx. 4 - 6 hours after application. Dampness produces a 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.
- Recommendation: Cured product residues are to be disposed of under EAK number 200 106 (European waste index) – other plastics.

Please observe a valid EU safety data sheet.

GISCODE: RE 3