



Technical Data Sheet

INDUFLOOR®-IB2360

Concrete sealer – aqueous

Art.-No. 5 55017

Properties:

INDUFLOOR-IB2360 is a water emulsified, pigmented, two component epoxy resin with the following properties:

- free from organic solvents
- low odour
- resistant to diluted alkalis and acids, heating oil and petrol
- can be diluted up to 10% with water (primer)
- water vapour permeable
- excellent bond to a variety of substrates
- satin finish.

When exposed to UV, colour variations – related to the binder – as well as chalking must be anticipated. Patch test for individual cases when subjected to continuous weathering or continuously wet environments.

Areas of application:

INDUFLOOR-IB2360 is used for sealing cement-based floor and wall surfaces, magnesium screeds, anhydrite screeds and well compacted rolled or poured asphalt e.g. in warehouses, workshops, garages, production areas, access balconies etc. Heavy point loading is excluded.

Typical Properties:

Basis:	2-comp. epoxy resin
Colour:	approx. RAL 7032
Density:	approx. 1.75 g/cm ³ at +23° C
Viscosity:	medium viscosity
Mixing ratio:	100:20 parts by weight
Pot life:	approx. 40 mins. at +23° C
Application/Substrate temperature:	min. approx. +10° C, max. approx. +35° C
Traffic after:	approx. 24 hours at +23° C
Overcoat after:	approx. 16 hours up to max. 24 hours at +23° C

Fully cured:	after approx. 7 days at +23° C
Relative humidity:	< 75%

Technical Properties:

Shore 'D':	D/72/1 (ASTM D 2240:05)
Compressive strength:	18.1N/mm ² (ASTM C 579:00)
Adhesion strength:	2.0 N/mm ² (ASTM D 4541:02)
Flexural strength:	approx. 7.5 N/mm ² (ASTM C 580)
Abrasion resistance:	235 mg (ASTM D 4060:01)
Coefficient of permeability:	approx. 1250 µ

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

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

Cementitious surfaces:

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CTC25-F4
- Plaster quality: PII/PIII
- Age: min. 28 days

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- Tensile adhesion strength: 1.0 N/mm²
- Residual moisture: < 4%
(carbide hygrometer method)

Magnesium screeds:

- Screed quality: min. ME 40
- Age: min. 14 days
- Tensile adhesion strength: > 1.0 N/mm²
- Residual moisture: < 2%
(carbide hygrometer method)

Asphalt screeds:

- Screed quality: GE 10
- Tensile adhesion strength: > 1.0 N/mm²

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-IB2360 with a roller in 2 - 3 applications. Pour the mixed material over the area and spread out using a rubber lipped squeegee. Then roll to an even finish with a short nap wool roller.

Priming:

Dilute INDUFLOOR-IB2360 with a minimum of 10% water and roller apply in one coat. Consumption: approx. 300 – 350 g/m² of diluted material.

Finishing sealer:

INDUFLOOR-IB2360 is roller applied in 1 – 2 coats on to the primer or sanded scratch coat.

Consumption: min. 350 g/m²/coat

The material consumption of the finishing sealer on to sanded areas increases by a min. of 100 g/m² (plan a test area).

Cleaning & Equipment Maintenance:

Thoroughly clean tools immediately after use with water.

Packaging:

12kg and 30kg containers. Components A and B are delivered in a predetermined mixing ratio.

Storage & Shelf Life:

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

Health and safety:

Once cured INDUFLOOR-IB2360 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.
 - Colour: Minor colour variations due to production plants and raw material fluctuations are unavoidable. This should be considered when applying coatings.
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Neighbouring sections should be completed with the same production units (see batch number on the packaging).

- To great a thickness of individual coats (greater material consumption) is to be avoided. This leads to crack formation and delamination.
- Waiting times between individual coats – min. 12 hours to a max. 24 hours. Waiting times should be appropriately extended where the relative humidity is > 65% and < 75%.
- Plasticizers leaching from car tyres can lead to discolouration.
- Ensure there is adequate ventilation and extraction during the drying and curing phases.
- The bond between the individual coats can be heavily impeded through the influence of dampness or contamination between the applied coats. The substrate temperature must be a min. of < 3° C above the dew point.
- 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 0