



Technical Data Sheet

INDUFLOOR®-IB2115

Conductive aqueous lacquer

Art.-No. 5 55014

Properties:

INDUFLOOR-IB2115 is a solvent free, pigmented, water emulsified two component epoxy resin with the following properties:

- high electrostatic charge dissipation
- good bond between coats.

Areas of application:

INDUFLOOR-IB2115 is used in combination with the copper strip INDU-ConductiveStrip as a conductive layer beneath conductive floor coverings.

Technical Data:

Basis:	two component epoxy resin
Colour:	black
Mixing ratio:	1:5 parts by weight
Density:	approx. 1.10 g/cm ³ at +23° C
Viscosity:	approx. 6500 ± 500 mPa·s at +23° C
Pot life:	approx. 120 minutes at +12° C approx. 60 minutes at +20° C approx. 45 minutes at +30° C
Substrate and application temperature:	min. approx. +12° C, max. approx. +30° C
Foot traffic after:	min. approx. 12 hours at +23° C
Overcoat after:	approx. 12 hours up to a max. 24 hours at +23° C
Fully cured:	after approx. 7 days at +23° C
Electrical resistance:	< 10 ⁴ k Ω (DIN IEC 61340-4-1)

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 against the effects of moisture from the rear.

Use suitable means to prepare the substrate dependent on its condition such as e.g. shot blasting, planing, brushing, sweeping and vacuuming.

Product preparation:

Components A (resin) and B (hardener) are delivered in separate containers in a predetermined mixing ratio. Tip component A into component B. 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 5 minutes. The minimum temperature during the mixing process 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:

Roller apply INDUFLOOR-IB2115 in one coat. Pour the mixed material in sections on the surface and spread over the area using a double bladed rubber squeegee. Subsequently roll with a short napped fur roller to an even finish.

Consumption: approx. 150 – 200 g/m² dependent on the surface roughness.

Cleaning & Equipment Maintenance:

Thoroughly clean tools immediately after use with water.

INDUFLOOR®-IB2115

Packaging:

12 kg containers. Components A and B (in separate containers) 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-IB2115 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.
- Waiting time between individual coats – min. 12 hours up to a max. 24 hours. At higher relative humidity > 75% the waiting time should be lengthened accordingly.
- Ensure there is adequate ventilation and extraction during the drying and curing phases.
- The bond between the individual coats to one another can be heavily impeded through the influence of dampness or contamination between the applied coats. The substrate temperature must be a minimum of < 3° C above the dew point temperature.

- Applications that are too thick (greater material consumption) lead to higher electrical resistance, to crack formation and debonding.
- 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 classification 57123 "Epoxy resin".

Please observe a valid EU safety data sheet.

GISCODE: RE 2 (A-Komponente)