



Technical Data Sheet

INDUFLOOR®-IB3080

Smoothing compound up to 10 mm

Art.-No. 5 55047

Properties:

- Polymer modified
- Self levelling
- Water resistant
- Low emissions
- For interior and exterior
- Easy to use
- Rapid setting
- Suitable for heated screeds
- Pumpable
- For thickness from 3-30 mm in one application
- Conforms to DIN EN 13892-7 to class RWFC-550

Areas of application:

INDUFLOOR-IB3080 is used at thicknesses from 3-30 mm for smoothing, patching and levelling. Suitable substrates are concrete floor surfaces conforming to DIN 1045, BEST screed slabs, heated and unheated cement-based screeds conforming to DIN 18560. INDUFLOOR-IB3080 is suitable for exterior areas and areas subject to moisture, if a suitable bonded waterproof membrane has been implemented.

Technical Data:

Basis:	cement, aggregate, additives
Colour:	grey
Bulk density:	1.4 kg/dm ³
Application/ substrate temp:	+5° C to +25° C
Pot life *):	30 minutes
Foot traffic after *):	approx. 24 hours
Compressive strength *):	approx. 14 N/mm ² after 24 hours approx. 28 N/mm ² after 7 days approx. 38 N/mm ² after 28 days
Flexural strength *):	approx. 2.8 N/mm ² after 24 hours approx. 7.5 N/mm ² after 7 days approx. 8.0 N/mm ² after 28 days

Classification:	EN 13813 CTC30-F7
Fire performance:	A2fl-S1
Cleaning:	with water whilst in the fresh state
Consumption:	approx. 1.65 kg/m ² /mm thickness
Storage:	dry, 6 months in the original unopened packaging. Tightly close opened packaging and use promptly.
Packaging:	25 kg bag with PE liner

*) The values relate to +23°C and 50% relative humidity. Higher temperatures accelerate and lower temperatures slow down the setting.

Substrate and product preparation:

The substrate must be dry, load bearing, sound, have a good key and be free from materials that act as a separating layer. The load bearing capacity of the substrate must conform to DIN 1055. Remove separating layers, laitance and similar by suitable means e.g. blast cleaning or scabbling. For unbonded or floating cement-based screeds the readiness to receive floor finishes is to be checked with a carbide hygrometer before the application of INDUFLOOR-IB3080, in order to eliminate further deformation of the screed slab through shrinkage processes. The air and substrate temperature may not drop below +5°C during application and in the following week.

Priming:

1. For thicknesses of 10 mm, prime concrete and cement-based screeds with INDUFLOOR-IB1260 and, after waiting for a minimum of approx. 2 hours, apply INDUFLOOR-IB3080.

Preparing the smoothing compound:

2. Take 5.0 – 5.4 litres of water, dependent on the desired consistency, and add 25 kg of INDUFLOOR-IB3080 and stir to a lump free, pourable mass. Periodically scrape along the sides of the mixing bucket with a trowel in order to add unmixed material into the mixing process. Subsequently stir once again. It is recommended that a mixing drill at approx. 500-700 rpm be used.

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Mixing ratio:

25 kg INDUFLOOR-IB3080 : 5.0 – 5.4 litres water.

When lower water addition is used there is less excess water within the mix and the readiness to receive finishes is achieved earlier.

Application of the smoothing compound:

3. Pour INDUFLOOR-IB3080 onto the primed substrate and evenly distribute with a suitable tool (surface rake, Swedish rake, long handled rake) within the pot life. De-aerate the layer with a spiked roller (or other suitable tool) whilst still fluid and encourage flow. The surface and flow is decidedly improved. It has advantageously transpired that by setting level points, the desired thickness can be controlled whilst still in the wet state. The required thickness should be applied in one application.
4. Protect setting INDUFLOOR-IB3080 from rapid water loss through e.g. high room temperatures, direct sunlight and drafts. A further application, if necessary, of INDUFLOOR-IB3080 is best carried out once the first coat will take foot traffic.
5. INDUFLOOR-IB3080 at thicknesses of 10 mm is ready to receive tiles as well as conventional floor finishes after 16 hours *).

Testing for residual moisture with a carbide hygrometer is necessary. Keep to the maximum permissible residual moisture content in current data sheets.

Important advice:

- In general SCHOMBURG ICS products are delivered at a predetermined mixing ratio. When deliveries are in larger containers, part quantities must be weighed out using scales. Always thoroughly stir the filled components and only then mix with the second component. This occurs with a suitable mixer e.g. Polyplan/Ronden paddle or similar. In order to exclude mixing errors, decant into a clean container and mix again. The mixing speed should be 300 – 400 rpm. Ensure that no air is stirred in. High speeds introduce unnecessary air into the product, lower speeds do not produce a good mix as it must be mixed for too long (pot life). The temperature of the components should be a minimum of 15° C. This is

also valid for fillers that may be required such as e.g. sands. The mixing of fillers is carried out after the liquid components have been blended. Afterwards place the mixed material immediately on the prepared substrate and promptly and thoroughly distribute in compliance with the instructions in the data sheet. Always thoroughly stir single component products before use.

- In order to reliably exclude pore formation, carefully brush INDUFLOOR-IB1260 into the substrate. De-aerate the INDUFLOOR-IB3080 layer with a spiked roller e.g. type 60 spiked roller, whilst still wet.
 - When water is lost too quickly (heated rooms or highly porous substrates) there is a risk of crack formation.
 - It is necessary to ventilate the construction area. Drafts during application and the setting process are to be just as much avoided as direct sunlight. The interior and floor temperature must be a minimum of +5°C during application and for the following week. Dehumidifiers may not be used for the first 3 days.
 - For application at greater thicknesses consult with the Technical Services Department.
 - The condition of the substrate is critical to the success of floor levelling. Porous substrates negatively alter the flow behaviour of the smoothing compound, therefore carefully prepare the substrate: clean and prime.
 - It is possible to smooth to falls up to 2%. In this case reduce the water addition to 4.25-4.5 litres/25 kg INDUFLOOR-IB3080.
 - To determine the readiness of the substrate to receive finishes carry out moisture readings with a carbide hygrometer. Keep to the following limiting values: see table.
 - Watch the water addition. Too high a water addition leads to the appearance of separation with low strength surfaces. Such low strength layers are to be mechanically removed.
 - When using mixing pumps e.g. PFT G4 or G5 or similar, always rinse out the mixing pump and pipework during interruptions in work.
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- When using a PFT G4 mixing pump use the standard PFT G4 mixing screw, the D 6-3 rotor and the D 6-3 stator twister, set the water flow meter to 250-400 l/hr. With the PFT consistency checking tin the correct water addition can be tested and regulated with the aid of the slump diameter. This may not exceed 60 cm on the prepared substrate and should be continually checked during the application.
- Perimeter, bay, construction joints and movement joints are to be brought through or positioned in the designed location and constructed with suitable material e.g. edge strips.
- Substrates with coarse pores cause greater material consumption.
- Higher temperatures accelerate, lower temperatures slow down the setting process.
- Only use clean tools and clean water.
- Observe the technical data sheets for the products mentioned above.
- Observe the relevant regulations.
Therefore e.g.: DIN 18157, DIN 18352, DIN 18560, EN 13813, DIN 1055
The BEB data sheet distributed by the Bundesverband Estrich und Belag e.V.
The technical information regarding the coordination of cut out points with heated floor constructions.

Please observe a valid EU Health & Safety Data Sheet.

EMICODE EC1: very low emissions

GISCODE: ZP1

Maximum moisture content in the levelling compound, determined by carbide hygrometer:			
Floor finish		heated	unheated
Water vapour impermeable finishes		1.8 %	2.0 %
Textile coverings	Water vapour barrier	1.8 %	2.5 %
	Water vapour permeable	2.0 %	3.0 %
Parquet	Laid floating	1.8 %	2.0 %
Laminate flooring	Laid floating	1.8 %	2.0 %
Ceramic tiles or natural stone / concrete slabs	Sand:cement fixing	2.0 %	2.0 %
	Adhesive fixing	2.0 %	2.0 %