



## Technical Data Sheet

# INDUFLOOR®-IB3200

Art.-No. 5 55084

## Corundum based surface hardener for industrial floors

### Properties:

INDUFLOOR-IB3200 is a blend of cement-based hard materials for improving concrete surfaces of industrial floors.

- Increases life expectancy
- High abrasion resistance
- High impact resistance
- Improved resistance to oil and grease
- Increased impermeability to water
- Simple and efficient application
- Can be coloured if desired

### Areas of application:

INDUFLOOR-IB3200 is primarily used in:

- Production areas and warehouses
- Loading and unloading ramps
- Aircraft hangers
- Helipads
- Supermarkets

### Technical Data:

Basis:	Cement with hard aggregates and pigments
Standard colour:	cement grey, further colours on request
Density:	approx. 1.70 g/cm <sup>3</sup> at + 23°C
Substrate temperature:	min. + 5 °C; max. +35 °C (protect from direct sunlight and draughts)
Ambient temperature:	min. + 5 °C; max. +35 °C (protect from direct sunlight and draughts)
Relative humidity:	min. 30% / max. 98%,
Foot traffic after:	approx. 12 hours at + 23 °C
Fully cured:	after 7 days at + 23 °C

### Cleaning:

Clean all tools immediately after use with water.

### Packaging:

25 kg bags

### Shelf life:

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

### Substrate:

- Fresh concrete
- Concrete quality: min. C20/25
- Minimum thickness: 15 cm
- Well compacted using vibration
- Finished to the desired level
- The use of plasticisers is recommended

Note: remove puddles before broadcasting with quartz.

### Method of application/consumption:

#### Pre-smoothing:

The correctly levelled concrete surface should be pre-smoothed with a power trowel.

#### Broadcasting:

Evenly broadcast INDUFLOOR-IB3200 by hand onto the prepared surface.

Consumption: 4 - 7 kg/m<sup>2</sup>

Thickness per coat: 2 - 3mm

The broadcasted material absorbs moisture from the fresh concrete (dark colouration) within 10 - 20 minutes.

#### Application:

After this waiting period the material is worked into the substrate with power trowel. Hard to reach areas must be manually worked with a trowel.

#### Smoothing:

Waiting time between individual smoothing operations is based on the composition of the concrete and the temperature. Waiting time before setting/stiffening: approx. 30 - 60 minutes.

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## **Optional requirement: Post smoothing**

When there is a demand for an extremely smooth and dense surface it is possible to post-smooth several times after a further 1 to 2 hours dependant on climatic conditions.

## **Finishing treatment:**

Post treatment of INDUFLOOR-IB3200 is carried out according to the smoothing process in DIN 1045-3, or with INDUFLOOR-IB1030 (see technical data sheet), or INDUFLOOR-IB1050 (see technical data sheet).

## **Joint formation:**

The site specified joints are to be cut mechanically. Structural joints are to be brought through in all cases. The joints are to be treated depending on loading/use and sealed with INDUFLEX-VK6060.

## **Important advice:**

- When relative humidity is below 40%, surface efflorescence may occur.
- Relative humidity above 80% may lead to some surface bleed as well as slow curing and therefore delayed timings for smoothing.
- Colour variations may occur. Variations within raw materials used cannot be excluded.
- Do not spray with water during the smoothing process. It can cause shrinkage cracks, colour variations and/or loss in strength.
- Spilled liquids must be removed immediately.
- Abrasive wear leads to surface scratches.
- 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.

Please observe a valid EU safety data sheet.

GISCODE: RE 1