

# TOP FLOOR

## Cementitious floor topping and overlay

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### Description

TOP FLOOR is a single-component, cementitious, fibre-reinforced premix topping. Thanks to its high compressive, abrasion and flexural strength it is particularly suitable as a topping for high trafficked floors, imprinted floors, industrial floors, Nuvolato or Acid Stain. It is especially suitable for refurbishing damaged concrete floors.

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### Features

TOP FLOOR can be applied with a thickness of 10-15 mm or from 15 to 25 mm if mixed with quartz-sand 3-6 mm.

- Easy application
  - Can be applied over plastic or hardened concrete
  - Low maintenance costs
  - Suitable as Stampable Overlay 10-25 mm
  - Fork-lift truck resistant
  - Frost and de-icer resistant
  - High surface density
  - Internal and external applications
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### Uses

TOP FLOOR is used for internal and external horizontal concrete installations requiring high wear resistance, such as:

- Commercial and industrial floors
  - Food processing/storage, sewerage and water treatment plants
  - Hospitals, car parks, garages, schools, shopping centres and theatres
  - Show rooms, pubs, shops
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### Application

#### **Mixing procedure for TOP FLOOR**

TOP FLOOR should be mixed in a rotating drum concrete mixer. Mix 25kg of TOPFLOOR with 4,0 – 4,2 l of water. Start by putting half of the water into the mixer and adding all the TOP FLOOR. It should be mixed for 3 to 5 minutes while adding the rest of the water. Mix until a uniform consistency is achieved.

#### **Placement on hardened concrete using IDEAL BOND primer**

The base concrete, (compression min. 25 N/mm<sup>2</sup>, pull off 1,5 N/mm<sup>2</sup>) must be previously ground and washed with high pressure. The surface must be free from cracks, cement slurry, dust and loose particles, oils, grease and other contaminations, rough and open-

pored. Wet the base concrete 1 day prior to the installation, avoiding formation of any puddles.

Mix 25 Kg IDEAL BOND with 6-7 L of water and stir for approximately 3 minutes with a slow speed mixer until a uniform, creamy consistency is achieved. Do not use over-moistened material. Afterwards, spread the mixture with a hard street broom to a thickness of approx. 1–2 mm. on to the prepared, damp support. Coverage is usually 2 kg per m<sup>2</sup>.

TOP FLOOR should be immediately applied while the primer IDEAL BOND is still wet. Check IDEAL BOND technical sheet for more information.

Place the mixed TOP FLOOR (see above for mixing procedure) on the surface of the concrete and screed it. Use normal concrete topping methods to finish the surface of the TOP FLOOR.

### Industrial Floor

Use a power trowel with float shoes to keep the topping open and to smooth it. Care should be taken not to trowel-burn the surface.

### Stamped Floor

Proceed as for ordinary stamped floors.

### **Curing**

Wet cure TOP FLOOR for a minimum of five days. A curing compound can also be used. For a perfect curing process in the 48-72 hours after TOP FLOOR placement, we recommend laying dampened geotextile fabric over the surface.

### **Joint placement.**

Cut joints as soon as possible, but no later than 24h from pouring.

Joints in the base concrete must be mirrored through the TOP FLOOR topping. Joints placed in the TOP FLOOR must pass through its full depth. After curing for 30 days, fill the joints with IDEAL FLEX-PU.

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### **Technical Information**

Processing temperature 5° -25°.

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### **Consumption**

Approximate consumption per sqm per 10 mm thickness:

|                       |             |                           |
|-----------------------|-------------|---------------------------|
| thickness up to 15 mm | Topfloor    | 20 Kg/m <sup>2</sup>      |
| thickness over 15 mm  | Topfloor    | 16,6 Kg/m <sup>2</sup> +  |
|                       | quartz-sand | 3-6 mm 3,4 Kg             |
|                       |             | (20% weight to Topfloor). |

Do not exceed 25 mm.

IDEAL BOND: about 2 Kg/m<sup>2</sup>

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## **Packaging / Storage / Disposal**

TOP FLOOR is available in 25 kg sacks.

The shelf-life in fresh and dry storage and in factory sealed sacks is 12 months.

Standard colour is grey. Further colours available on demand.

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## **Precautions**

TOP FLOOR is a cement-based product. Avoid contact with skin and eyes,

In case of contact wash with fresh water. Refer to safety data sheet for more details.

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## **IMPORTANT**

All information contained in this data-sheet is based on the best practical and laboratory expertise. The customer is responsible for checking the product is suitable for use. The producer does not accept any responsibility arising from incorrect application. We recommend testing the products on small surfaces prior to use on the jobsite. This data-sheet replaces and annuls all previous versions. Data may be changed anytime. We also remind you that Ideal Work products are for professional use only and Ideal Work provides customers with training opportunities upon request. Whoever uses these products without authorisation shall take full personal responsibility and the outcome will be at their own risk.

EDITION01 dated 16.10.2018 - Rev. 04 dated 07.08.2019