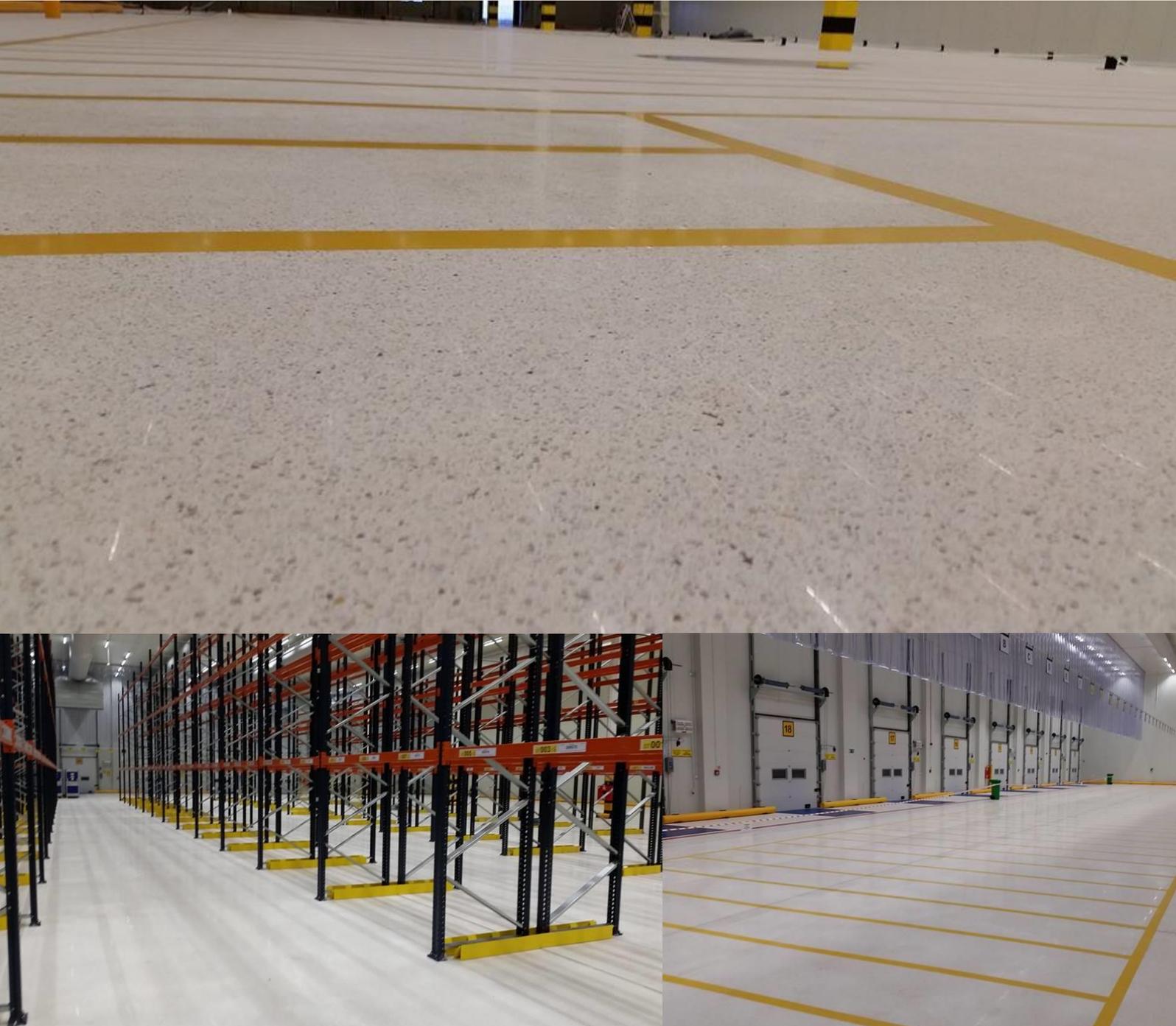


# SIB Dekodur Hydrated

## Performance topping for concrete

MAY 2018

### Fresh on Fresh topping



#### **SIB Dekodur Hydrated**

SIB Dekodur Hydrated is applied on the damp concrete during the troweling process of traditional concrete floors. The SIB Dekodur Hydrated is troweled into the concrete surface to create a monolithic bond on the concrete floor. The floors can be left with a troweled finish or polished to create micro terrazzo. The Dekodur Hydrated makes it possible to take the floor into use after only 7 days of curing.

# SIB Dekodur Hydrated

## Performance topping for concrete

MAY 2018

## Application

SIB Hydrate is a nano silica specially designed to hydrate and strengthen concrete. It will reduce or even eliminate micro spalling and improve the troweling and curing of concrete in the surface layer.

SIB Dekodur Hydrated is a special designed topping. It reacts with SIB Hydrate (Nano Silica) and makes it possible to apply thicker wear layers than you typically would be able to do with traditional dry shake toppings.

When SIB Dekodur Hydrated is applied in multiple layers with SIB Hydrate (Nano Silica) you can maximize the amount of powder and ensure an even color or unique micro Terrazzo finish.

When you are able to walk on the surface and the “foot mark/print” is approx. 1-3 mm, open the surface with trowel pans.

Apply SIB Hydrate on the concrete base as evenly as possible. Observe that a lower “slump” reduces the color differences in the top surface. Apply approximately 100 ml/m<sup>2</sup> of SIB Hydrate immediately after screeding the concrete, using a low-pressure sprayer.

Work it well into the surface with a bull float to ensure it is worked deeply into the cement matrix.

Apply 4-6 kg/m<sup>2</sup> the SIB Dekodur Hydrated. Apply as even as possible with sprinkling carrier or other application tool. Let the SIB Dekodur Hydrated absorb moisture from the sub base. Power trowel first layer into the surface with trowel pans.



## Application

Let the layer of SIB Dekodur hydrated absorb moist from the base. Trowel the surface with a trowel pan. Use plastic pans on light and white surfaces.

Mist the floor with SIB Hydrate over the SIB Dekodur Hydrate powder.

Start applying second layer of SIB Dekodur Hydrate powder with approx. 2-4 kg/m<sup>2</sup> immediately after you have finished to hydrate with SIB Hydrate.

Let the SIB Dekodur Hydrate powder absorb moisture from the sub base. Then worked in the surface with power trowel. Use plastic composite pans on light grey and white surfaces.

If needed SIB Hydrated can be sprayed on during the troweling process.

Mist the floor again with SIB Hydrate.

Start applying third layer of SIB Dekodur Hydrated powder with approx. 1-2 kg/m<sup>2</sup> immediately after spraying SIB Hydrate.

Let the powder absorb moisture from the sub base, before working it into the surface with power trowel. If needed the floor can be hydrated with SIB Hydrate in the troweling process.

If the powder is not absorbing enough moisture from the sub base, you can spray fine mist of SIB Hydrate over the third layer of powder and continue troweling with pans.

Finally, power trowel the surface with finishing blades. If you use white or very clear coloured dry shakes use only plastic blades.

Cure like traditional concrete for 7 days.

After 5-7 days grind and polish the surface to the desired gloss level and aggregate exposure. The surface can also be left with a traditional troweled concrete finish.

Grinding can be done wet or dry and Ride on Trowel grinding systems may be used.



# SIB Dekodur Hydrated

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## Concrete base

### CONCRETE PLACEMENT/FINISHING

Concrete mix designs, placement/finishing should be performed in accordance with the guidelines of ACI 302 or TR34 4th edition (UK). The concrete supplier should ensure that cement contents, w:c ratios, slumps are generally in accordance with the following minimum standard:

Cement: Min 350 kg/m<sup>3</sup>

W:C ratio: Max. 0.50, Min. 0.40

Slump: Ideally 75mm

Strength: Min 31N/mm<sup>2</sup>

Air: Max 3%

Avoid applying in extreme temperatures. Avoid addition of water during application of the SIB Dekodur Hydrated and use only SIB Hydrate to hydrate in the troweling process.

