

decoBULKDENSIFIER

DESCRIPTION

decoBULKDENSIFIER is a concentrated potassium silicate hardener which improves the wear and abrasion resistance of weak concrete.

decoBULKDENSIFIER is a very economical dust proofer and hardener of industrial concrete floors.

decoBULKDENSIFIER is most suitable for low-quality concrete floors with a low porosity.

For very dense and high-quality concrete surfaces we advise to use decoLIT, which is a pure lithium silicate. For medium quality concrete, with an average porosity we advise to use decoSIL, which is a mixed silicate hardener.

KEY BENEFITS of decoBULKDENSIFIER

- Makes the surface harder, abrasion resistant
- Eliminates the dusting of concrete
- Very economic in use
- Water-based, VOC-free and ecofriendly



USES

CONCRETE FLOORS OF:

- Factories: furniture, electronic parts, garments, shoes
- Warehouses & Hangars: food and beverage, airplanes, retail, etc
- Hypermarkets
- Parking garages
- Commercial: restaurants, stores, shopping malls, etc

ESTIMATED COVERAGE

Approximately 5 to 7 m²/kg

APPLICATION INSTRUCTION

STEP 1: SURFACE PREPARATION

Surfaces should be cleaned and free of dust, loose particles, grease, stains or anything which could prevent the product penetrating the surface

Recommended surface preparation is carried out by sanding the surface in order to get rid of contamination and to open the pores of the surface. For larger surface areas, professional machines with suitable abrasive discs or pads should be used.

STEP 2: APPLICATION OF decoBULKDENSIFIER

Lightly stir before each use. Do not over mix or bubbles and/or foaming can occur, making uniform application more difficult.

Product is high solids and can be mixed with water at ratio of 1 to 1. Mixing water should be clean. After mixing, product should be used the same day.

Application by means of spraying and/or microfibers. Spread out evenly.

The product should penetrate and dry within 15 to 60 minutes of application. In the event of over application, a slightly tacky substance may remain at the surface after this period. The substance has to be removed using water.

During cool weather or high humidity, it may take longer for the product to dry.

If used during a concrete polishing process:

decoBULKDENSIFIER can be applied after each polishing step, starting with the resin pads grit 100. We advise that the application of at least 2 layers after 2 different polishing steps is carried out. After the liquid has penetrated and is no longer glistening on the surface, continue to polish.

**HEALTH & SAFETY
INFORMATION**

KEEP OUT OF REACH OF CHILDREN

Dispose of waste material in accordance with local requirements. Although the material is non-toxic and non-hazardous, the treatment contains alkaline and may cause eye and skin irritation. Wear eye protection and gloves. If splashed in eyes, rinse with water and consult a doctor if irritation persists.

Wash promptly from skin. Do not take internally if swallowed, do not induce vomiting drink water and call a physician. Avoid contact with eyes. Protective clothing is recommended. Surfaces may be slippery when wet with product.

**PROPERTIES OF
THE PRODUCT**

Indicative values

Active Solid Content (%)	40 to 60%
Specific Gravity (g/cm ³)	~ 1.4
pH	~ 11.3
V.O.C Content	<1 g/L
Flash Point	N/A
Freeze Point	0°C
Shelf Life	1 year in unopened factory sealed container

**MECHANICAL/
PHYSICAL
PROPERTIES OF
CONCRETE TREATED
WITH
decoBULKDENSIFIER**

Indicative values

Internal Test	
Abrasion Test	~ 30 % Increase of the abrasion resistance for concrete grade 250 (TCVN). (Taber abrader, H 22 Wheel, 1000 cycles, 1000 gram load, ASTM D 4060)
Hardness Test	Moh's hardness increases from 4 to 6 for concrete grade 250 (TCVN).
Gloss Test	Gloss increases from 4,5 GU to 25 GU. Gloss increases from 4,5 GU to 76 GU as a part of a system with decoFINISH. (Gloss measurement with geometrical angle of 85, ASTM D 523)

CAUTION

- Protect from freezing. Agitate before use. Do not allow traffic on surface until it is dry.
- Protect adjacent surfaces. Remove overspray quickly with a damp cloth and soap.
- Always do a test patch before beginning the job to verify coverage, appearance, and surface material variations.
- Check the website from the manufacturer for the latest update from this TDS.

PACKAGING

- 25 kg Plastic can
 - 200 kg drum
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