

BILIZO® DUSTPROOFER

Lithium Silicate Based Liquid Surface Hardener

Product Description

BILIZO® DUSTPROOFER is a ready to use lithium silicate based liquid surface hardener that can be applied on old and new concrete surfaces. It penetrates deeply into the concrete or screed surface and creates crystals that insoluble in pores.

Uses

- Production areas
- Storage areas
- Cold Storage areas
- Outdoor and Indoor Parking grounds
- Airplane hangars, heliport
- Quays

Packaging

BILIZO® DUSTPROOFER is presented in 30 kg canister.

Usage and Consumption

100-200 gr / m²

Consumption will increase due to the absorbency problem on surfaces with low concrete quality.

Advantages

On surfaces where BILIZO® DUSTPROOFER is applied;

- Water absorption decreases
- Hardness increases over time and remains constant
- Frictional strength increases constantly
- Certain dust free is provided
- Consists of brightness and vibrant color
- Cracking is prevented
- Wearing is prevented
- Damages caused by freezing are prevented
- Water vapor passes
- There is no need for another floor covering

Technical Data

Finish	Transparent	
Color	Colorless	
Density	1,10 (gr / cm ³)	EN ISO 2811-1
Consumption	100-200 gr / m ²	
Solid Content	12%	
Abrasion Resistance	At least 15% increase in abrasion resistance compared to the reference concrete (taber, H22, 1000 g / 1000 Cycles)	EN 5470-1
Impact Resistance	(class III: ≥ 20 Nm)	EN 6272-1
Water Permeability	w < 0,1 kg/m ² .h0,5	EN 1602-3
Adhesion to Concrete	> 3 N / mm ²	EN 1542
Penetration Depth	> 4,0 mm	EN 1504-2
Surface Temperature	Min. +5 °C	
Ambient Temperature	+5 °C - +40 °C	
Standarts		EN 1504-2

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Application

The surfaces on which BILIZO® DUSTPROOFER will be applied must be dry and matte moist, hard, solid, and there must be no water puddles. It should be free from separating and preventing adherence elements such as dust, plaster residues, oil, tire marks, paint residues. No chemical treatment (vapor barrier) should be applied. Fresh concrete does not need surface preparation. It should be in a printable condition and should not have a water layer on it. Vapor barrier cannot be applied before BILIZO® DUSTPROOFER application. BILIZO® DUSTPROOFER should be cleaned with a method (eg broom, vacuum cleaner, brush, pressurized water, etc.) suitable for the surface condition to be applied.

In addition, the surface must comply with the following specifications:

Concrete Quality: min. C20/25

Screed Quality: min. EN 13813 CT-C25-F4

Application Method / Equipment:

BILIZO® DUSTPROOFER is applied by spraying fresh concrete or screed. BILIZO® DUSTPROOFER is applied evenly to the surface in one coat and to fill the pores. The sprayed material is evenly distributed on the surface with a fine-bristled brush, broom or rubber trowel. Care should be taken that no accumulations form on the surface. The applied material is left to dry.

Application Notes / Restrictions:

- During application at high temperatures, the floor must be completely saturated with water. BILIZO® DUSTPROOFER should be applied when the ground is damp, but there should be no puddles.
- BILIZO® DUSTPROOFER cannot be applied to frozen, dirty or wet surfaces.
- Slight color differences may occur due to the different absorption levels of the floor.
- Acid cleaning materials should not be used.
- Regular cleaning of the surface increases its shine.
- Immediate shine is achieved by polishing the surface.
- Consumption varies depending on the roughness and absorbency of the application surface. Tools and equipment used in the application should be washed with water immediately after use.

Storage

Store the product in a cool and dry place. Shelf life of the product is 2 years when stored properly in the original container unopened.

Safety Measures

Please refer to the Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.