INOCOT





Technical Information

INOCOT 623 H

Silicate based agent for the water repellent treatment of concrete

Description

INOCOT 623 H is a ready to use lithium silicate for the water repellent treatment of surfaces based on cement-bonded materials (cementitious floors, terrazzo, screeds and natural stones).
The product is a clear liquid.

INOCOT 623 H reduces the penetration of the substrate by aqueous liquids and contamination. INOCOT 623 H penetrates into the substrate and reacts with the hydrated component of the concrete, as opposed to synthetic resins, which only adhere to the surface.

Advantage

INOCOT 623 H is characterized by the following beneficial effects:

- Water repellency
- Low viscosity and alkalinity
- High reactivity and efficiency
- No expansion of the concrete due to the lithium reaction
- Deeper and stronger concrete penetration
- Can be applied to new or existing concrete

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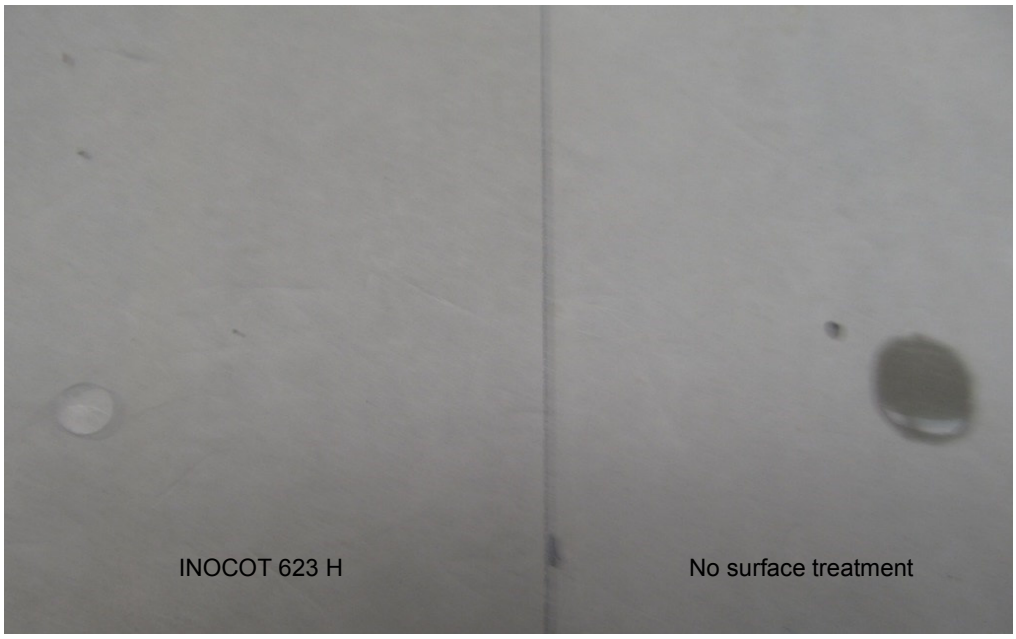

Picture 1: Aspect of a drop of water put on concrete surface treated with INOCOT 623 H versus a non-treated concrete surface

Physical Properties

Properties	modified lithium silicate
Appearance	clear liquid
Odor	odorless
Combustibility	incombustible
Density	1.10 g/cm^3
Applied quantity	0.2-0.4 kg/m^2
Minimal waiting time for the product to penetrate	30 min
Curing time	30 days (accessible after a few hours)

Application

The product can be applied on all polished or unpolished concrete, cementitious screed or mortar surfaces. The application is possible on both new and existing concrete floors outdoor and indoor. If in doubt it is recommended to make a pretest.
The application can be done by spray or roller.

Processing information

The surface to be treated has to be dry, solid and absorbent (porous). Before starting the treatment please ensure that the surface is clean and free of contamination. Oil, grease and other adhesion-reducing impurities can affect the mode of action of the product.

The ideal temperature of the surface to be treated is between +5°C and +35°C. A direct exposure to moisture should be avoided during the first day.

The drying time lasts for 2 to 3 hours, after that the floor will be accessible. The drying time can vary depending on the humidity. The completion of the reaction can take up to four weeks.

Cleaning recommendations

The equipment needed during the application has to be cleaned with water after use. Once the product has dried it can only be removed mechanically.

Storage

For detailed information, please check our "Guidelines - Storage and handling of liquid silicates" on our web-site www.vanbaerle.com.

Classification and safety

Consider the common precautions for using chemical products. Please read the information in the safety data sheet.