

SILICATO INDURENTE

Anti-dust sealing hardener for cement and industrial flooring

SILICATO INDURENTE can be used for several application. It can be used to make the concrete waterproof. The application of SILICATO INDURENTE makes concrete as hard and solid as granite. It can be applied in those cases where it is necessary to protect and increase the chemical resistance of the cement, like concrete basins, concrete panels for construction, roof, bridges, airports.

Due to its very low viscosity, it penetrates deep down into the material and, through chemical reaction, the sealing agent precipitates thus blocking pores and cracks. The sealing action is due to the precipitation of siliceous acid; the silica seals the substrate, which becomes homogeneous to absorption.

Applied on cement, it makes it harder and more solid. It increases resistance to chemical, abrasion and compression. It increases surface hardness from 6 to 8 in the Mohs' scale. It decreases the cracks of concrete due to ice and freeze.

Objects treated with the product remain transpiring to steam and resistant to positive hydrostatic pressure. SILICATO INDURENTE spreads through pores and reacts with quicklime and salts, thus blocking the formation of dust.

Floors, after application SILICATO INDURENTE, are resistant to oils, greases, etc.

COMPOSITION

SILICATO INDURENTE is based on stabilized silicates in water solution.

APPLICATION

New floor

Apply SILICATO INDURENTE on the new floor, when it is dry enough to walk on it, but cracks have not been formed yet. Apply in quantity to have a wet surface.

Old floor

Wash with acid solution and leave it on the floor for at least 1 hour. Eventually properly rinse with water. When the floor is dry, apply SILICATO INDURENTE so that the surface remains wet. The floor is ready after 24 hours.

Excess of product, particularly on quartz floor, may create white spots; therefore it is suggested to wash the floor at the end of the application, within 12-24 hours from last application.

After application, the product does not show any esthetical effect: in order to have a shining surface, it is suggested to polish it with felt brushes after drying.

RECOMMENDATIONS

Apply at temperatures between +8°C to +30°C.

Do not apply the product to substrates that are frozen, thawing or if freezing temperatures are expected during the 24 hours after application.

Prevent the surfaces from drying too quickly by protecting them from strong wind, exposure to the sun or rainfall.

For the application of the other products on top, such as paints, resins, etc., wait 40 days.

INDICATIVE AMOUNTS REQUIREDQuartz floor for interior: 130 gr/m²Quartz floor for exterior: 200 gr/m²Non-Quartz floors: 250 gr/m²**PACKAGES**

25 Kg cans.

180 Kg drums.

STORAGE

In its original cans and kept in dry and protected areas the product is guaranteed for 12 months. It is advised to keep between 5°C and 35°C.

TECHNICAL SPECIFICATIONS**PRODUCT DATA**

Appearance:	Liquid
Colour:	transparent
Volume mass UNI EN 1475:	1100-1200 gr/lit
Chemical nature:	based on stabilized silicates in water solution

APPLICATION SPECIFICATIONS

Application temperature:	from +5 °C to +30 °C
Application other products on top:	wait 40 days

TECHNICAL DATA

Brookfiel viscosity ASTM D 2189:	18-20 cPs
pH:	12
Viscosity:	Liquid at low viscosity
Dilution:	With water, in case

NOTES

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests conducted at 20°C with 50% R.H. and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark S.r.l. reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions.

Vimark S.r.l. possesses a Quality System certified in accordance with ISO 9001:2000 by MORGAN LLOYD Q.A. INTERNATIONAL with U.K.A.S. international accreditation number QAIC / IT / 90471.

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