



Quality System Certified Company
UNI EN ISO 9001:2015

TECHNICAL DATA SHEET
PRODUCT

CONCRETE LITHIUM

CONSOLIDANT AND PROTECTIVE FOR CONCRETE SURFACES

Water solution based on lithium-potassium silicate, ready to use, to increase the hardness, the shine and chemical resistance of cement-based surfaces and natural stone. It is not toxic or dangerous and complies with the international VOC regulations.

LINE

Protecting agents for professional use

FUNCTION

It penetrates into the surface and reacts with hydration product of the concrete, consolidating the structure of cement surfaces for a longer life, greater shine and greater resistance to wear.

APPLICATION

Cement-based surfaces such as **floors, masonry, screeds** in:

- *Supermarket and Distribution Centers,*
- *Banks, Shopping Centers and Malls*
- *Churches, Hospitals, Schools, Museums, Theaters, Fair and Exhibition areas, Public Buildings, etc..*
- *Hotels, Restaurants, Bar*
- *Private houses, Garages, Concrete Floors in general*

PROPERTIES

- *Increase the hardness of the surface*
- *Can be applied on new or old concrete surfaces*
- *Low viscosity and alkalinity*
- *Deeper and more complete penetration into the cement*
- *Highly responsive and efficient*
- *No expansion reaction of the concrete*
- *Shine of greater intensity and duration*
- *Resistance to stains and dust*
- *It makes faster and cheaper the cleaning*
- *Reduces the surface maintenance by counteracting the penetration of contaminants*
- *Surface ready to use after a few hours from application*
- *Applicable indoors and outdoors*

COMPOSITION

Aqueous solution based on lithium-potassium silicate

HOW TO USE

Preparing the surface

Remove dirt, powdery materials, loose parts and alien deposits from the surface to be treated

Application

Apply evenly in very thin layers on the perfectly clean surface with a microfiber pad pre-moistened with water.

For best results treat small areas from time to time (5-6 meters side).

Using a sprayer, lightly and evenly spread a thin layer depending on the porosity. Spray another product as the pad begins to dry. Allow each application to dry for at least 30-60 minutes depending on the environmental conditions (temperature, humidity, etc.).

The second application will improve the shine and the protection.

The surface will be accessible after 3-4 hours from the last application.

Do not cover the treated surface with protective coatings for at least a week to avoid slowing down the reaction and causing damage because of residual moisture.



Maintenance

For routine floor cleaning and washes, use detergents with neutral PH . For most environments it is sufficient to use water. Regular maintenance and cleaning will help to prolong the brightness of the surface over time. Do not use acid or lemon based detergents or containing butyl compounds.

TEST

Before applying, on a small part of the surface, always carry out a preliminary test to determine consumption, drying times and, after drying, the aesthetic effect obtained and the degree of protection actually achieved.

IMPORTANT

The ideal temperature for application on the surface to be treated must be between +5°C and +35°C (41°F and 95°F).

Avoid exposure to moisture during the first day.

Even if the surface is accessible after 3-4 hours from application, it is recommended to wait a day before accessing the surface

The reaction is completed in 4 weeks

TECHNICAL DATA

Appearance:	light yellowish liquid
Odour:	odourless
Application temperature :	min. 5°C, max. 35°C. (41°F, 95°F)
Combustibility:	incombustible
Density:	1,04 kg/l
Yeld/consumption	0,2 - 0,4 kg/m ² per litre, according to the absorption of the support.
VOC (Directivea 2010/75/EU):	<50 g/litre
Minimum penetration time of the product:	30 minutes
Storage :	if stored properly in a dry place into the original containers hermetically sealed, at a temperature between 5°C and 30°C, the product lasts 12 months

SAFETY

The product is not flammable. Keep out from the reach of children. Store the containers in a cool and dry place. Although it is not toxic and is not dangerous the product is alkaline and may cause irritation to the eyes and skin. In case of contact with eyes, rinse with plenty of water and if irritation persists, consult a doctor.

Further safety information can be obtained by consulting the relevant Safety Data Sheet.

Always comply with the current regulations governing workplace safety.

PACKAGING

Can of 5 L., 10 L.

LIMITATION OF LIABILITY The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Liability for defective products, when verified, is limited to refund of the purchase price since application of the product is beyond the control of the manufacturer or supplier.

A TEST IN A SMALL AREA IS ALWAYS RECOMMENDED BEFORE THE APPLICATION