



Li-Plus

Let's shine

Oil-water repellent silicate
of concrete

CHARACTERISTICS

LI-PLUS is a ready-to-use, water-based formulation containing lithium silicate and potassium silicate for the oil-water repellent treatment of surfaces based on cementitious materials, such as cement flooring, terraces, screed, etc. The product reduces penetration of liquid substances such as water and oils without forming unsightly films on the surface.

Unlike synthetic resins, **LI-PLUS** penetrates into porosity and reacts with hydration produced by the concrete. It can be applied to new or existing concrete. It is characterised by modified alkalinity and low viscosity which prevents the treated concrete from expanding and ensures full, deep penetration into the porosity.

HOW TO USE

PREPARATION OF THE SUPPORT: it can be applied to all concrete, cement screed or mortar surfaces, whether mechanically polished or not. It can be applied on both new and existing cement flooring. The cement must have cured for at least 28 days before treatment and the surface must be clean and dry to the touch. Mechanically remove any traces of membrane residue or film treatments from the surface and seal any cracks or repair damaged areas. Sealants, oil, grease, dirt, dust or residues must be removed beforehand, taking care to remove any residue which could prevent the product from penetrating fully. For basic cleaning, use **BETON REFRESH** or **CEMENT CLEANER**, non-caustic, alkaline, degreasing detergents, or **ZERO OIL** to remove more persistent dirt. When the surface is completely clean and dry, proceed with the treatment.

PREPARATION OF THE PRODUCT: **LI-PLUS** is ready to use, it is not necessary to dilute it.

APPLICATION: apply **LI-PLUS** in a thin, uniform layer until the substrate is fully covered. Apply using a low-pressure sprayer and even out with a wax spreader or

Let's shine

is a line:

FEDERCHEMICALS™ s.r.l.

Via G. Borsi, 2 - 25128 Brescia - Italy

Tel. +39 030 3385578 - info@federchemicals.it

www.federchemicals.it



25 lt

microfibre pad, taking care to spread out any product accumulation. If necessary, an additional application may be applied. Drying time is approx. 2-3 hours. This may vary depending on the humidity. The flooring will then be accessible. It may take four weeks, however, for the reaction to be fully completed. Therefore, we recommend waiting one day after application before accessing the surface, prevent it from getting wet for at least 7-10 days and prevent any substances from falling on it that may stain it. Avoid contact with surfaces for which the product is not intended for use. In the event the product comes in contact with glass, metal or painted surfaces, clean the affected areas immediately with a cloth moistened with water and dry with a clean cloth.

PHYSICAL PROPERTIES

Properties	Modified lithium-potassium silicate
Appearance	Liquid
Odour	Inodore
Combustibility	Incombustible
Density	1,04 g/cm ³
Applied quantity required	0,2-0,4 kg/m ²
Curing time	20-30 days (accessible after a few hours)

ATTENTION

This is a treatment for internal surfaces, it must not be applied at a temperature inferior to 5°C and, in case of higher temperatures it could be useful to wet the surface in advance with water to avoiding the product dries too fast. When the product is applied in a too cold or humid environment, its slow down the drying of the product.

INDICATIVE COVERAGE

0.2-0.4 kg/m².

STORAGE

The product must be stored in the original container, tightly sealed, at a temperature at a temperaure between 10°C and 30°C, protect from direct sunlight and from frost and in ventilated areas. In these condicions the product has a duration of 12 months from the date of the delivery note. If the material will be kept in storage beyond the raccomended stability period, it will not necessarily be considered unusuable but a quality control must be performed on the characteristics relevat the application.

LIMITS OF RESPONSIBILITY

We decline all responsibility for work and damage which might result from improper or incorrect use of the product. The indications supplied with our product specifications and instructions for use are the results of accurate laboratory tests and experience in the field. However, as it is not possible to forward other evidence, when the products are used, these indications shall not be binding and do not imply liability on our part. As well as following good working practices, before applying the product we recommend you read the safety recommendations and the directions on the package.

For the best professional results, it is advised to test a small area first, for compatibility with the surface to treat and the desired effect. This preliminary testing is also useful to determine the consumption according to the characteristics of the material the product will be used for and to the type of processing. The reproduction, even partial of this product sheet is forbidden. The data refer to the standards in force at the time of printing, 2013. The company reserves the right to make any changes without notice.

PRODUCT FOR PROFESSIONAL USE



is a line:

FEDERCHEMICALS™ s.r.l.

Via G. Borsi, 2 - 25128 Brescia - Italy

Tel. +39 030 3385578 - info@federchemicals.it

www.federchemicals.it