



Lithium H

Let's shine

Densifier based on modified lithium
with anti-salt water repellent

CHARACTERISTICS

LITHIUM H is an odourless, water-based, solvent-free, lithium-based formulation with excellent water-repellent properties, designed to protect concrete surfaces from damage caused by rain, freeze-thaw cycles, humidity and penetration of chloride ions. The effect of lithium silicate combined with the chemical reaction of the hydrophobic part makes **LITHIUM H** a unique formulation for protecting concrete from the action of chlorides.

The product penetrates the substrate and reacts with the free lime to form soluble, hydrated calcium silicate which makes the concrete more resistant to water and abrasion, easing maintenance of the substrate and increasing its lifespan. The hydrophobic part also reduces the permeability of the substrate, providing high resistance to penetration of chloride ions, and prevents the formation of unwanted efflorescence, guaranteeing stability to the treated surfaces.

HOW TO USE

PREPARATION OF THE SUPPORT: clean the surface thoroughly to remove any dirt. Pay attention to the condition of the substrate as the presence of any previously applied products or coatings could impede the product or render it ineffective.

PREPARATION OF THE PRODUCT: **LITHIUM H** is ready to use and it should not be diluted.

APPLICATION: Before applying, carry out a test on a less visible area of the surface to ensure that there are no contaminants in the substrate that may be incompatible with the product. Apply **LITHIUM H** on cold surfaces (not heated by the sun) at temperatures above 10°C and protect the treated surface from rain for the following 24 hours.

In the event of extremely hot, windy weather, it may be useful to moisten the concrete with water before applying the product to cool the surface and prevent the **LITHIUM H** from drying too quickly. Prevent the product from coming into contact

Let's shine is a line:

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Lithium H



25 lt

with glass, fabrics, metal or painted surfaces, in the event of an accidental contact wash the affected parts immediately. Apply with a low pressure or manual sprayer, uniformly spraying the surface from a distance of 30 cm.

Any product accumulation can be redistributed with a soft-bristled brush or microfibre applicator. At high temperatures, we recommend keeping the treated surface moist for at least 10 minutes, adding more product if necessary. The surface will be walkable as soon as it is dry, but polymerisation with its effects requires at least two weeks of maturation. The time will vary depending on the weather and the temperature of the site. In the event of cold weather or high humidity (or in the event of poor air flow), the substrate may remain damp for a long period. Once the product has dried, a light deposit of lithium may form on the surfaces. This is excess that has not been absorbed. It can be removed with a stiff brush, an electric sweeper or monoscope. If the concrete is coloured, use an automatic floor cleaner to remove excess product 30 minutes after application.

It can be applied on **internal concrete surfaces** that have just been cast and smoothed with a power trowel, immediately after trowelling, after construction and cleaning of the joints or at a later date. Protective and anti-adhesive products can be used directly on **LITHIUM H** as soon as the surface is dry.

For **external concrete surfaces** that have not been trowelled with a power trowel, wait until the surface is solid enough to support pedestrian traffic before applying.

INDICATIVE COVERAGE

Concrete with a power trowelled: 1 lt for 12/18 m²

Concrete with a broom finish: 1 lt for 6/8.5 m²

The yield may vary according to the finish, the concrete mix, the application system chosen and the environment conditions.

STORAGE

The product must be stored in the original containers, tightly sealed, at a temperature between 10°C and 30°C, protect from direct sunlight and in ventilated areas. In these conditions 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 recommended stability period, it will not necessarily be considered unusable but a quality control must be performed on the characteristics relevant to 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

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