

NANO-lithium Hd

Let's shine

Nano-lithium based thickener
for concrete surfaces

CHARACTERISTICS

NANO-LITHIUM HD is a product based on a last generation of nano-lithium polysilicons for densification; it is ideal for the working cycle, for the hardening and the polishing of concrete surfaces.

NANO-LITHIUM HD is a water-based solution easy to apply and, thanks to its activated high content of solid materials with a reduced molecular dimension, it ensures an optimal hardening of the treated surfaces, improving the resistance to abrasion and limiting the creation of dust on the treated surfaces.

After the application on the concrete, new or already laid, the product penetrates into the support at depth of 5-7 mm, reacting with free lime creating a hydrated calcium silicate which is not insoluble. It makes the concrete more resistant to water, stains and abrasions, facilitating the maintenance of the support, increasing the length of the treated surface.

HOW TO USE

PREPARATION OF THE SUPPORT: the treatment must be applied on a concrete dry for almost 28 days, on well clean and dry surface. Every residue of membranes and filming treatments must be removed mechanically from the surface; cracks must be sealed and damaged zones must be restored.

Any sealant, oil, grease, dirty, dust and residues must be removed firstly taking care to eliminate every residue which could stop a good penetration of the product; for the basic wash it must be used the non-caustic alkaline degreasing cleaner **CLEAN SPECIAL**, therefore the treatment must be applied on a completely dry surface.

PREPARATION OF THE PRODUCT: **NANO-LITHIUM HD** is ready to use, it is not necessary to dilute it.

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

NANO-lithium HD



25 Lt

APPLICATION: apply **NANO-LITHIUM HD** with a thin and uniform coat till the substrate is fully covered, for application use a low-pressure nebulizer and uniform with a spreader or a fleece with a microfiber cloth taking care to lay well the eventual accumulations of the product.

It is important that the product does not dry out before penetrating in depth, therefore the surface must be kept wet and treated for almost 20 minutes adding more product if necessary. In the event that the absorption of the liquid is delayed, it is recommended to temper the treated surface slightly misting small quantity of water through a nebulizer without exaggerating so that the treatment will not be excessively diluted, therefore, avoid to create wet and dry zones during this time interval. For the following cycles of smoothing and polishing of concrete, it is recommended to let the product for almost 12/24 hours before going forward with the abrasion of the surface. After having smoothed or polished the surface with resinoid abrasive, considering a cycle of grains from 10 to 800 till reaching the desired result, it could be applied (in order to increase the shining and reinforce the protection) the polishing finishing product based on nano-lithium **ULTRA SHINE PRO** or the product **SUPER SHINE**.

The treatment is considered for internal use, it must not be applied at a temperature lower than 5°C and, in the event that temperatures are too hot, it could be useful to moisten the surface with water in advance, in order to avoid that the product dries too fast. In the event that the product is applied in a too cold or humid environment, these conditions slow down drying of the product; whenever an hour has passed since the moment of the application and the floor is too wet, it is recommended to wash the surface with an automatic floorwashing machine to remove the excessive product.

CAUTION

Make sure of having the last updated technical datasheet and the safety datasheet; please, read the information before use the product. Avoid contact with surfaces to which the product is not intended, in the event that **NANO-LITHIUM HD** comes into contact with glass, tissues, metals or painted surfaces, clean them immediately with a towel damped with water, therefore dry them with a clean towel.

INDICATIVE COVERAGE

Coverage can vary depending on concrete surface and finishing to treat.

Sleek concrete: 1 litre every 9/13 m².

Surfaces with swept finishing: from 10% and more to quantify.

STORAGE

The product has shelf life of 12 months from the date of the delivery note if the material be kept in storage in a ventilated area and at the temperature between +10°C and +25°C.

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

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