



Let's shine

**Concrete densified
potassium silicate based**

CHARACTERISTICS

UNICO is a water-based product composed of a mixture of potassium silicates in aqueous solution for the treatment of thickening hardening.

UNICO penetrates the material forming insoluble compounds with high chemical and mechanical resistance, increasing the hardness and compactness of the treated surfaces and conferring anti-dust properties, reducing the porosity of the surfaces, increasing the abrasion and wear resistance of concrete floors, graniglie, cement and limestone in indoor and outdoor use. After the complete catalysis and subsequent hardening of the product, the treated surface can be easily polished and mirror-polished with grinding machines equipped with diamond discs or diamond pads.

UNICO is not a film forming product, it does not significantly alter the breathability of the material to which it is intended, does not change the coefficient of friction of the pavement, non-flammable and free from VOC.

HOW TO USE

PREPARATION OF THE SUPPORT: can be applied on all surfaces in concrete, concrete screed or mortar, the application is possible for both new and existing concrete floors. The treatment must be carried out on cement aged for at least 28 days, with a well-cleaned surface and dry to the touch.

Mechanically remove any traces of membrane residues, film treatments and seal cracks or restore damaged areas.

Sealants, oil, grease, dirt, dust and residues must be removed in advance taking care to eliminate any residue that could prevent the proper penetration of the product. For the basic wash use **BETON REFRESH** or **CEMENT CLEANER**, non-caustic alkaline degreasing detergents, or **ZERO OIL** to remove heavier types of dirt. Then on a completely clean and dry surface proceed to the treatment.

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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 kg

APPLICATION: the product is available in concentrated or ready-to-use version and can be used pure (ready-to-use) or diluted up to 1:10 in water (concentrate). Apply in a thin and uniform layer until completely covered in substrate, use for the application a low pressure nebulizer and even with cotton wool or cotton wool with microfiber pad taking care to spread any accumulation of product. The product must not dry before it has penetrated deep, then keep the treated surface wet for at least 20 minutes by adding the product if necessary, in the case where the absorption of the liquid is slowed down, it is advisable to slightly dampen the treated surface by spraying small quantities of water with a nebulizer, without exaggerating to avoid over-diluting the treatment. Also avoid the formation of wet and dry areas during this time. Remove any unabsorbed liquid and allow the surface to dry properly, for the subsequent cycles of sanding and polishing of the concrete it is recommended to leave a drying time of at least 12/24 hours before proceeding with the abrasion of the surface. It will then proceed to polishing with a single brush equipped with suitable felts or you can move on to a phase of further sanding/ surface polishing with resinoid abrasives considering a grain cycle from 100 to 800, Until the desired result is achieved. It can be applied further, if deemed necessary to increase the gloss and strengthen the protection, the nano-lithium polishing finish **ULTRA SHINE PRO** or the product **SUPER SHINE** or you can apply a protective cycle with oil repellent products such as **OIL BLOKER** or **LI-PLUS**.

ATTENTION

Please ensure that you have the latest version of the Data Sheet and Safety Data Sheet; please read the information contained in them before using the product. Avoid contact with surfaces for which the product is not intended, if the product comes into contact with: glass, textiles, metal or painted surfaces, immediately wipe the affected parts with a cloth moistened with water and then wipe them with a clean cloth.

INDICATIVE COVERAGE

The yield can vary from 100 to 250 gr/m².

STORAGE

The product must be stored in its original, hermetically sealed containers at temperatures between 10°C and 30°C, protected from direct sunlight and in ventilated areas. In these conditions the product has a shelf life of 12 months from the date of the delivery note, if the material is kept for storage beyond the recommended shelf life, it will not necessarily be considered unusable but a prior product check must be carried out.

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.

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PRODUCT FOR PROFESSIONAL USE