

TECHNICAL DATA SHEET (TDS)

LIMESEALER

ID Product Code 072



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WATER & OILREPELLENT IMPREGNATOR

Bonding and anti-resurfacing agent for limestone, sandstone, cement, terrazzo and high absorbent materials.

Product description:

Colorless impregnating and anti salts resurfacing product, that also protects the material from water and oil. LIMESEALER has a consolidating action on very porous and friable stones such as Limestone and Sandstone, preventing chalking and transformation of stone in a crumbling mass, and gives an high protection against penetration of water, humidity and against action of acid rains; it prevents formation of mildews on material exposed to humidity and blocks salts resurfacings. LIMESEALER, after application, is in most of cases transparent and does not give a wet or shiny aspect to the treated material.

Chemical characteristics:

Appearance	Liquid
Color	Clear transparent
Odor	Characteristic of solvent
Specific gravity at 20° C (68° F)	0,80±0,02
Hydro-solubility	Not soluble
pH	N.A.
Drying time at 20°C (68° F)	45-60 minutes*
Complete drying time	8 hours*
U.V. Resistance:	
Long waves 365 nm	Very good (no changes after 24 hours exposure)
Short waves 254 nm	Very good (no changes after 24 hours exposure)
Shelf life at 20°C (68° F)	24 months in original container

* indicative values, depending on the nature of the material and environmental conditions

Instruction for use

Surface must be clean and dry; stains, mildew, crusting must be scraped off otherwise they will be harder to remove after protection. Application can be done by brush, by roller or by spray gun. It is suggested, when possible, to apply the product by brush because it allows the product to penetrate better into the stone. Application of LIMESEALER by brush, making pressure, will facilitate penetration into frames and cavities. Continuously repeat the application, without interruption, until the stone has been saturated (the stone does not absorb further product).

During the application and subsequent drying, the temperature of the substrate should be between 10 and 30 ° C. In case of application on floor with underfloor heating system turn off heating and allow the stone to cool completely.

Application tools



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Brush



Roll



Cloth



Mop

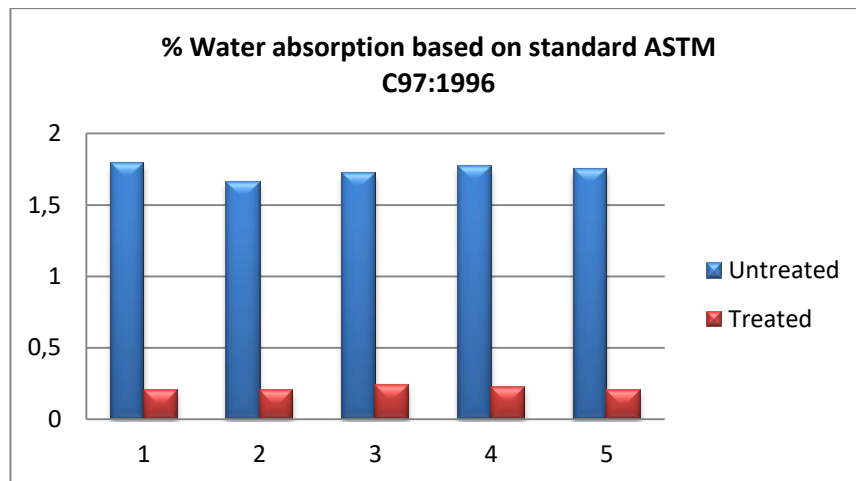


Fleece

Tests & certifications

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Test report based on standard **ASTM C:97:1996** "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone" carried on by an external laboratory on "Pietra Serena" Limestone.



PROTECTIVE EFFECENCY PERCENTAGE (PEP): 80,80%

The product respect **STANDARD UNI 11322** "Stone floor coverings" Instructions for the design, installation and maintenance, in the chapter relating to the MAINTENANCE.

Suggestion for use and recommendations:

- We recommend applying the product until complete saturation of the stone. Taking care to apply it wet on wet, ie without leaving the first coat to dry, but continuing the application.
- Do not dilute the product with water or other solvents because the preparation is ready for use.
- The material to be treated must be completely dry.
- Another application system, suitable for small parts, can be that immersion is also possible to use a sponge saturated with product and dab the material.
- Once treated, the stone must be left to dry for 24 hours to complete polymerization.
- In the case of treatments for statues, vases or decorative items, pay close attention to cavities.
- Before use carefully read the recommendations printed on the tin
- Make a test before use

Application surfaces

Sandstone, Limestone, and all porous and friable materials.

Coverage



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For the protection of limestone in general, one liter of product can treat 8 to 15 sqm (90/160 sq.ft.), depending on the absorption and degree of finish of the material.

Maintenance of the treated surface

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For proper maintenance of the treatment we recommend to carry out periodic washing with our LEM-3 neutral detergent, diluted with water according to the amount of dirt to be removed, without using abrasive tools. The treatment has a variable duration, depending on weather condition it is exposed to and wear of the material. If necessary, it is possible to reapply LIMESEALER above a previous application.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.bellinzoni.com

Packing

Item N°	Packing	Pcs	Size and weight packaging	Carton per pallet (sea transport)
072CLIME001	1,00 lt (33,82 fl.oz.)	12	cm 36x27x26 – kg 11,50	24
072CLIME005	5,00 lt (1,32 Gal)	2	cm 23x40x26 – kg 9,00	27
072CLIME025	25,00 lt (6,60 Gal)	1	cm 50x32Ø – kg 22,00	16
072CLIME200	200,00 lt (52,80 Gal)	1	cm 90x60Ø – kg 168,00	2

The composition of the tins is Steel (ACC). After use, comply with the local and national regulations currently in force regarding recycling. Our packing is conformed as per U.N. rules for inland transport (A.D.R.) and by sea (I.M.O.) for transportation via air refer to updated rules (I.A.T.A.). For further information regarding transport please check MSDS.

H.S. Code

32.08.1010

Trademark and Origin of the good

BELLINZONI® is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product LIMESEALER is **MADE IN ITALY**.



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