

## TECHNICAL DATA SHEET (TDS)

# STRONG 2000

ID Product Code 041



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## CONSOLIDATOR IMPREGNATOR

Waterproof consolidating agent for marble, granite, stones, concrete, terracotta and facing bricks.

### Product description:

Clear siloxane solvent based consolidating agent for protection of buildings and stones against penetration of water, grease and humidity. STRONG 2000 is used for the protection of buildings and stone artifacts against penetration of water, humidity and action of acid rain. It also has a consolidating action on friable and corroded stones, preventing chalking and transformation of stone in a crumbling mass. STRONG 2000 also prevents the calcification of marble and stones caused by atmospheric agents, smog and acid rain. It is perfectly invisible and does not give a wet or shiny appearance to treated pieces, keeping unchanged the original color. STRONG 2000 prevents the formation of mold and considerably reduces the resurfacing of salts that may be present in the substrate or in the stone itself.

### 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	Excellent (no changes after 48 hours exposure)
Short waves 254 nm	Excellent (no changes after 48 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 STRONG 2000 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



Brush



Roll



Cloth



Mop



Fleece



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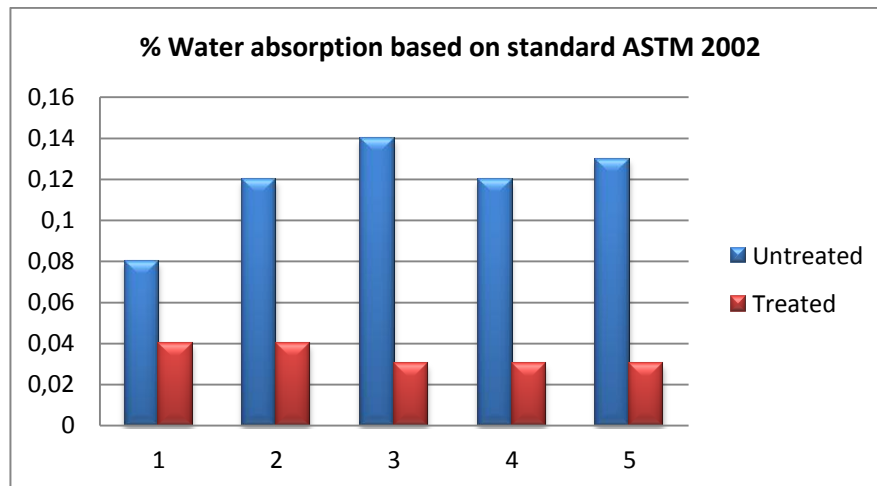
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### Tests & certifications

Test report based on standard **ASTM C:97:2002** "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone" carried on by an external laboratory on Grey flamed Granite.

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**PROTECTIVE EFFECENCY PERCENTAGE (PEP): 71,18%**

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

### Environmental information

**STRONG 2000** complies SCAQMD for V.O.C. Approved LEED IEQ Credit 4.2 – V.O.C. CONTENT: 10 g/l

### 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.
- Read carefully recommendations printed on label and perform a preliminary test on a small area before actual use.

### Application surfaces

Marble, granite, natural, engineered & artificial stones.



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### Coverage

For the protection of polished marble and granite, one liter of product can treat 15 to 25 sqm (160/270 sq.ft.), depending on the absorption and degree of finish of the material. In case of calcareous stone, limestone, sand stone, concrete polished or grinded after grid 800, with 1 liter of product it is possible to treat 10/15 sqm (110/170 sq.ft.).

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### Maintenance of the treated surface

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 STRONG 2000 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](http://www.bellinzoni.com)

### Packing

Item N°	Packing	Pcs	Size and weight packaging	Carton per pallet (sea transport)
041CSTR01	1,00 lt (33,82 fl.oz.)	6	cm 36x27x26 – kg 11,50	48
041CSTR05	5,00 lt (1,32 Gal)	2	cm 40x40x20 – kg 9,00	24
041CSTR025	25,00 lt (6,60 Gal)	1	cm 40x32Ø – kg 22,00	24
041CSTR0200	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 STRONG 2000 is **MADE IN ITALY**.



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