

TECHNICAL DATA SHEET (TDS)

IDEA HP

ID Product Code 039

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ANTISTAIN PROTECTIVE AGENT NATURAL COLOR

Water & Oil Proof with pearl effect for marble, granite & stones.



Product description:

Solvent based clear impregnating agent for protection of buildings and stones against penetration of water, oils, grease and humidity. Optimal performances on polished material, IDEA HP lets the stone breath, does not allow the efflorescence to exit from the stone, it penetrates deeply into the stone, does not change the original color of the stone keeping the original shade; does not make any films but catalyzes into the stone giving a very good protection. Tests carried out in laboratories demonstrate resistance to UV rays. The stone treated does not change its color after long exposure to UV rays. It prevents formation of mildew.

Chemical characteristics:

Appearance	Liquid
Color	Clear transparent
Odor	Characteristic
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*
Complete polymerization time	3 days*
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 IDEA HP 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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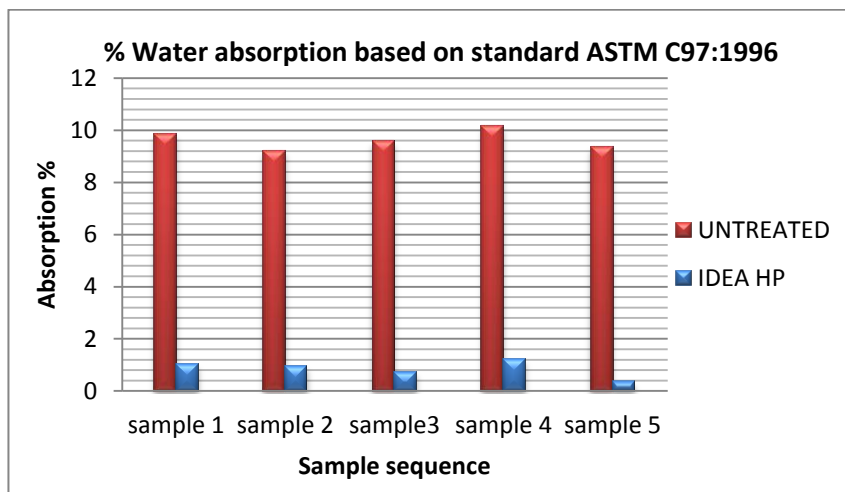
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Tests & certifications

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

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PROTECTIVE EFFECENCY PERCENTAGE (PEP): 90,95%

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

IDEA HP COMPLIES FOLLOWING STANDARDS:

ASTM C97: Standard Test Method for absorption and Bulk Specific Gravity of Dimension Stones

EN11322: "Stone floor coverings" Instructions for the design, installation and maintenance.

EN 13501-1:2009: "Fire classification of construction products and building elements"

Environmental information

IDEA HP complies SCAQMD for V.O.C. Approved LEED IEQ Credit 4.2 – V.O.C. CONTENT: 216 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 for superficial drying. Optimal performance is guaranteed after complete polymerization (about 3 days).
- 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.



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Application surfaces

Marble, granite, natural, engineered & artificial stones.

Coverage

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For protection of marble and granite polished or grinded after grid 800, with 1 liter (1 quart) of product is possible to treat 15/25 sqm (170/270 sq.ft.) 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.).

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 IDEA HP 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)
039CHP001	1,00 lt (33,82 fl.oz.)	12	cm 36x27x26 – kg 11,50	24
039CHP005	5,00 lt (1,32 Gal)	2	cm 23x40x26 – kg 9,00	27
039CHP030	25,00 lt (6,60 Gal)	1	cm 50x32Ø – kg 22,00	16
039CHP200	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 IDEA HP is **MADE IN ITALY**.



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