

TECHNICAL DATA SHEET (TDS)

BLOCK D70

ID Product Code 023



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WATER & OIL REPELLENT WATER BASED

Water & Oil Proof for marble, granite, terrazzo & stones.

Product description:

Water and oil repellent for protection of stone facade, floors and stone products against penetration of water, humidity, oil, alimentary grease. It prevents mildew formation. Its chemical composition allows the treated material to breathe and allows humidity to exit from the stone but prevent the same from entering. Block D70 is for internal and external use.

Chemical characteristics:

Appearance	Liquid
Color	Whitish
Odor	Characteristic
Specific gravity at 20° C (68°F)	1,00±0,02
Hydro-solubility	Not soluble
Ph	10,00±0,02
Drying time at 20°C (68°F)	45-60 minutes*
Complete drying time	24 hours*
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. Lay the product evenly on the surface to be protected, making the stone completely damped, wait 3-5 minutes and remove the excess with a cloth. Let it dry and the result will be a protected material. It is possible to dilute Block D70 up to 50% with water to have a better absorption depending of material to be treated.

During the application and subsequent drying, temperature of the substrate should be between 10 and 35°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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Tests & certifications

1. Test report based on standard **BS6477:1992 "Specification for water repellents for masonry surfaces"** carried on by an external laboratory.
2. Tensile Pull-Off Test: Adopted from **ASTM D4541:1993 "Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers"** carried on by an external laboratory.
3. Accelerated Weathering: **ASTM G53:1993**
4. Efflorescence Test: Standard **SS-WW-110C:1972**
5. Standard Test method for Absorption and Bulk Specific Gravity Of Dimensional Stone: **ASTM C97:2009**
6. Standard Test method for Determination the Static Coefficient: **ASTM C1028:96**
7. 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

BLOCK D70 complies SCAQMD for V.O.C. Approved LEED IEQ Credit 4.2 – V.O.C. CONTENT: < 0,05 g/l

Suggestion for use and recommendations:

- On very absorbent material it is better to make a second application after 30 minutes from the first.
- For protection of polished material like marble & granite we suggest to dilute the product 50% with water.
- Material has to be completely dry before application.
- For small pieces of stone it is possible to treat it by immersion and it is also possible to use a sponge damped with BLOCK D70 and apply it on the material.
- Once treated, the material have to dry for 24 hours until the polymerization of the chemical is complete.
- In case of treatment of statues, decorations etc. pay attention to reach well the cavities and corners.
- Do not let the product dry naturally without removing the excess after 3-5 minutes.
- 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, cement.

Coverage

For protection of marble and granite polished or grinded after grid 800, with 1 litre (1 quart) of product is possible to treat 30/40 sqm (320/430 sq.ft.) In case of calcareous stone, limestone, sand stone, concrete polished or grinded after grid 800 with 1 litre 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 BLOCK D70 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



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Packing

Item N°	Packing	Pcs	Size and weight packaging	Carton per pallet (sea transport)
023CBLOCK001	1,00 lt (33,82 fl.oz.)	12	cm 36x27x26 – kg 11,50	24
023CBLOCK005	5,00 lt (1,32 Gal)	4	cm 23x40x26 – kg 9,00	27
023CBLOCK025	25,00 lt (6,60 Gal)	1	cm 50x32Ø – kg 26,00	16
023CBLOCK200	200,00 lt (52,80 Gal)	1	cm 90x60Ø – kg 168,00	2

The composition of the tins is Steel (ACC); baskets and drums are in High Density Polyethylene (HDPE). 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

39.10.0000

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 BLOCK D70 is **MADE IN ITALY**.



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