

TECHNICAL DATA SHEET (TDS)

DETERGENT LEM-3

ID Product Code 020



Pag. 1

MULTIPURPOSE CLEANER FOR NATURAL STONES

Detergent with balanced pH for marble, granite, terrazzo & stones.

Product description:

Concentrated multipurpose cleaner for natural stones. Specifically formulated for maintenance of marble, granite and natural stones floors. LEM-3 has a good degreasing power so it is effective against all type of dirt, especially greasy and oily based ones and works perfectly for cleaning of very trampled floors. It is possible to clean and wash all cleanable surface (example glass). LEM-3 has balanced pH so does not ruin marble polish.

Chemical characteristics:

Appearance	Liquid
Color	Fluorescent green
Odor	Pine fragrance
Specific gravity at 20° C (68° F)	1,00 ± 0,02
Hydro-solubility	Soluble at every ratio
pH	10,00 ± 0,02 (concentrated)
	8,80 ± 0,02 (ready to use - diluted 4%)
Shelf life at 20°C (68° F)	24 months in original container

Instruction for use

For manual floor application dilute 30-50 ml (2-3 tablespoon) of product directly in a bucket of water, mix well and then proceed in cleaning the surface using a scrubbing brush with soft cloth. Once floor is clean, let it dry.

For big areas dilute the product directly in tank of automatic washing machine or a single disc polish machine equipped with green Scotch Brite® pad and proceed to clean the floor. If it is available, recover dirty water using a vacuum for liquid. This process avoid that dirty water could enter into stone porosity. For very resistant soil repeat the application or use a stronger product (suggested our Cleaner ULTRA STRIPPER). Let the floor dry before walking on it.

Application tools



Mop



Brush



Single Disc Machine


 Automatic washing
machine

Tests & certifications

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



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TDS N°
020

TECHNICAL DATA SHEET (TDS)

Environmental information

LEM-3 complies SCAQMD for V.O.C. Approved LEED IEQ Credit 4.2 – V.O.C. CONTENT: < 0,00 g/l

Suggestion for use and recommendations:

Pag. 2

Dilute product depending on the dirt to remove. We suggest following dilution:

- Periodical maintenance of floor in marble or granite: dilute 30-50 ml (2-3 tablespoon) of product in 1 liter (1 quart) of warm water.
- For heavy dirt to remove or grease spot increase dilution till 100 ml (6-7 tablespoon) of product in 1 liter (1 quart) of warm water.
- Before use, read carefully recommendations printed on the tin.

Application surfaces

All surfaces in general. Specific cleaner for marble, granite, limestone, sandstone, engineered & artificial stones.

Coverage

To wash stone floors in general is possible to treat 250/300 sqm (2700/3200 sq.ft.) with 1 liter (1 quart) of product. Coverage of product depends on the quality and intensity of soil to remove.

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)
020DLEM001	1,00 lt (33,82 fl.oz.)	12	cm 36x27x26 – kg 11,50	24
020DLEM005	5,00 lt (1,32 Gal)	4	cm 23x40x26 – kg 9,00	27
020DLEM030	25,00 lt (6,60 Gal)	1	cm 50x32Ø – kg 22,00	16

The composition of the tins and jerry cans are 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

34.02.1900

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 DETERGENT LEM-3 is **MADE IN ITALY**.



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TDS N°

020

TECHNICAL DATA SHEET (TDS)

IDEA QUARZO

ID Product Code 088



Pag | 1

COLOR ENHANCER PROTECTIVE AGENT

Quartz Impregnating enhancer with darkening action.

Product description:

Ready to use impregnating protective agent, solvent based, suitable for protective treatment of quartz surfaces.

IDEA QUARZO intensifies the natural color of material, has good penetration, does not form a film on the surface. It does not turn yellow, is perfect for treating indoor or outdoor surfaces, it is water and dirt resistant. Tests carried out in laboratories demonstrate resistance to UV rays. The treated stone does not change its color after long exposure to UV rays. It prevents formation of mildew. It can be used for treatment of quartz-resin agglomerates. It is the suitable product to treat kitchen and vanity top; it is certified food safe based on international standard (test available upon request).

Chemical characteristics:

Appearance	Liquid
Color	Clear transparent
Odor	Characteristic
Specific gravity at 20° C (68° F)	0,85±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, dry, without any trace of dirt; stone to be treated must not contain salts (sulfates, chlorides and nitrates) since their presence reduces the absorption. Stains, mildew, crusting must be scraped off otherwise they will be harder to remove after protection. Apply IDEA QUARZO without any dilution, using a cotton or microfiber cloth. Apply necessary quantity up to complete absorption. After 10/15 minutes, remove excess of product with an absorbing cloth. The product can also be applied on the production line.

During application and subsequent drying, 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



Fleece



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TDS N°
088

TECHNICAL DATA SHEET (TDS)

Suggestion for use and recommendations:

- 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.
- Once treated, the surface must be left to dry for 12 hours to complete polymerization.
- In the case of floor treatments wait 12 hours before walking.
- Before use carefully read the recommendations printed on the tin
- Make a test before use

Pag | 2

Application surfaces

Engineered stones quartz based, polished, unpolished, flamed, rough or bush-hammered.

Coverage

For the treatment of polished quartz, one liter of product can treat around 50 sqm (540 sq.ft.) of material.

Maintenance of the treated surface

For proper maintenance of treatment (floors) 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 QUARZO above a previous application.

For maintenance of kitchen and vanity top it is suggested to use Bellinzoni QUARTZ CARE SYSTEM.

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
088CQZ000250	250 ml (8,5 fl.oz.)	12
088CQZ001	1,00 lt (33,82 fl.oz.)	6
088CQZ005	5,00 lt (1,32 Gal)	2
088CQZ025	25,00 lt (6,60 Gal)	1

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.

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**TDS N°**
088