

**PROTECTGUARD® MG Eco****MARBLE & GRANITE**

WATER & OIL REPELLENT AND ANTI-STAINING PROTECTING MARBLE, GRANITE AND LOW OR VERY LOW POROUS MATERIALS

- ✓ **PROTECTS AGAINST WATER, STAINING AND OIL**
- ✓ **ABRASION-RESISTANT**
- ✓ **DOES NOT CHANGE COLOUR**
- ✓ **INTERIOR ET EXTERIOR**

- ✓ **WATER-BASED, SOLVENT-FREE**
- ✓ **FOOD CONTACT COMPLIANCE**
- ✓ **NON FILM-FORMING, LETS A SURFACE BREATHE**
- ✓ **UV AND FROST RESISTANT**

PRODUCT DESCRIPTION

ProtectGuard® MG Eco is a product designed to protect low and very low porosity substrates. It prevents penetration by water, oil, grease, weak acids (fruit juice, ketchup, etc.) as well as all types of soiling.

ProtectGuard® MG Eco is a new generation water-based product that is significantly less hazardous than other products available in the market. Indeed, it is not classified as either corrosive or irritant.

ProtectGuard® MG Eco is an impregnation, non film-forming product: treated materials remain permeable to air and water vapour.

ProtectGuard® MG Eco is colourless and does not change the appearance or composition of the treated material. In addition, it is UV-resistant and does not discolor with age.

USE

ProtectGuard® MG Eco can be used inside and outside on all vertical and horizontal surfaces. It is ideal for treating all low and very low porous materials: marble, granite, ceramic, polished and crystallised surfaces, stoneware porcelain and all smooth mineral substrates, especially low porosity silica-limestone materials.

ProtectGuard® MG Eco is used for new and renovated constructions.

CHEMICAL NATURE

- Water-borne fluorinated copolymer based.

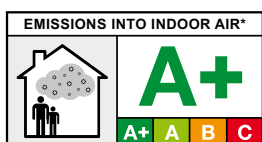
ADVANTAGES AND CHARACTERISTICS

- Effective for more than 10 years.
- Protects against water, oily liquids.
- Anti-staining and anti-soiling.
- EU food contact compliance.
- Limits surface moss and lichen growth.
- Prevents deterioration resulting from freeze-thaw cycle.
- Non film-forming, lets the surface breathe.
- Cost-effective, a small quantity of product is sufficient to protect a large surface.
- UV-resistant, does not discolour.
- Abrasion-resistant.
- Ready to use, easy to use.

CONTAINERS

750 ml, 2 and 5 litres.

* Calculation based on the components' data.
** In compliance with the regulation CE n°10 / 2011 regarding materials intended to come into contact with food except acid food, which pH is lower than 4,5.



TESTS

		MARBLE	CRISTALLIZED MARBLE	ARTIFICIAL MARBLE	GRANIT
PENETRATION OF WATER	1 mn	5	5	5	5
	15 mn	5	5	5	5
	60 mn	5	5	5	5
PENETRATION OF OIL	1 mn	5	5	5	5
	15 mn	5	5	5	5
	60 mn	4	4	4	4
PENETRATION OF ACIDS (FRUIT JUICES AND WINE)	1 mn	5	4	5	5
	15 mn	2	4	5	5
	60 mn	1	3	2	5

Water, oil and acid resistance of materials treated with **ProtectGuard® MG Eco**. Rating from 1 (weak) to 5 (excellent).

ENVIRONMENT

Environment-friendly product:

- Water-based product.
- Petroleum solvent free.
- Non hazardous and non toxic.
- Biodegradable > 75%*.
- VOC < 1 g/l*.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Pale yellow
Odour	: Slight
pH	: 5 ± 0.5
Density	: 1.01 ± 0.02
Solubility in water [vol/vol]	: Soluble
Flash point [°C]	: > 100°C

HOW TO USE

Surface preparation :

- Apply the product to a surface that is clean, dust-free, grease-free and dry. To remove greasy stains use **Guard Cleaner® Eco Soiled Floors**. For efflorescence, laitance or concrete bloom use **Guard Remover® Eco Efflorescence & Cement**. Surface preparation ensures good efficiency of the treatment.
- Rinse carefully and wait until the surface is completely free from any cleaner marks before applying **ProtectGuard® MG Eco**.

Application :

- Shake the product well before use.
- Use neat, do not dilute.
- Always carry out a preliminary test.
- The treated surface should be impregnated in a single application.
- Let the product penetrate and dry (from 10 to 60 min. depending on the porosity and temperature of material).
- Do not over apply the product; remove any excess with a clean cloth by swabbing before the product dries.
- Drying time: 1 hour.
- The surface must be protected for 24 hours from traffic and liquids (rain, grease...).
- On very low porous, crystallized or polished materials, polish with a microfiber cloth after drying of the treatment.
- Optimum effectiveness obtained after 7 days.

APPLICATION TOOLS

- Apply using a roller, a brush, a microfiber cloth or flat mop.



MAINTENANCE

- Stubborn dirt should be cleaned off with clean water or with **Guard Cleaner® Eco Soiled Floors** diluted with 50% water.

COVERAGE

Coverage depends on the porosity of the material. The figures below should be used only as a general guideline:

- **Low porous materials: 10 to 12 m² / litre**
- **Polished or crystallized materials: 15 to 20 m² / litre**

CLEANING YOUR EQUIPMENT

- Clean tools and equipment after use with water.

STORAGE

- Keep in a dry place (between 5°C and 30°C).
- Storage: 24 months following the production date when kept in the original unopened container.

RECOMMENDATIONS

- For best results, it is essential that **ProtectGuard® MG Eco** is used when the temperature of the substrates is between 5°C and 30°C.
- Do not apply during rain or in very hot weather. Air temperature between 5°C and 30°C.
- Do not dilute or mix with any other product.
- Resistance to acids on calcareous materials (non cristallized marble...) is limited. It is necessary to eliminate quickly acids on these materials.

HEALTH AND SAFETY

- **Respiratory protection** : Under normal conditions of use where adequate ventilation is available, no special respiratory protection equipment is needed.
- **Hand protection** : Wear latex gloves.
- **Skin protection** : No special protective clothing or skin protection is required under normal conditions of use.
- **Eye protection** : If there is a real risk of splashing, wear protective goggles.
- **If swallowed** : Do not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL SUPPORT

GUARD INDUSTRY

7 rue Gutenberg • 93108 MONTREUIL Cedex • FRANCE

Tél: +33 (0)1.55.86.17.60 • Fax: +33 (0)1.48.58.16.89

E-mail : contactus@guardindustry.com

www.guardindustry.com

Important: The content of this documentation is based on our experience with the product. Guard Industry guarantees the quality of its products but expressly disclaims all liability if the user does not follow the recommendations and conditions of use of the products, especially but not exclusively in the case of faulty application, application by untrained personnel, use of products not compatible with Guard Industry products, or adverse weather conditions. For more information, consult the safety data sheet.

For the most recent version of our data sheet, visit our website
www.guardindustry.com

Last updated : 26/03/2015