

Product Data Sheet

WATER AND OIL REPELLENT, ANTI-STAINING AND ANTI-GRAFFITI TOTAL PROTECTION FOR ALL POROUS BUILDING SUBSTRATES

PRODUCT DESCRIPTION

ProtectGuard® is the leading product for all-round protection for all porous building materials. This one product delivers water and oil repellent protection and anti-graffiti protection for porous building materials. **ProtectGuard®** helps tackle the deterioration caused by atmospheric pollution, grease-type staining, penetration of liquids and graffiti. A surface treated with **ProtectGuard®** will benefit from an increased life-span and will be easier to maintain. **ProtectGuard®** is a non film-forming impregnation product that leaves the treated surface permeable to air and water vapour. **ProtectGuard®** is completely colourless after application and does not change the appearance or the composition of the treated surface. It is also UV-resistant and does not discolour with age.

TYPICAL APPLICATIONS

ProtectGuard® may be used indoors or outside on walls, floors and roofing. It is designed to protect all porous building materials such as natural and synthetic stone, concrete, terracotta, cement, inter-locking paving... On low porous materials, use **ProtectGuard® HD** or **ProtectGuard® MG Eco**. **ProtectGuard®** is used for new and renovated constructions

TECHNICAL INFORMATION

Colour : Clear
Chemical : Water-borne fluorinated copolymer based
Specific Gravity : 1.0 ± 0.01
PH : 5.5 ± 0.5
Odour : None
Drying time : 24 hours
Full effect : 7 days
Finish : No change to substrate
Boiling Point : 100°C
Cleaning : Water
Durability : 10 years minimum
VOC Content : < 2 gm/litre
Surface Bond : Excellent
100% Biodegradable
Non Hazardous & Non Toxic
Petroleum solvent & Silicone free

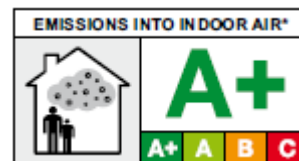
ADVANTAGES & FEATURES

- Effective for more than 10 years demonstrated by the CEBTP (Experimental Centre for Research and Study in Construction and Public Works).
- Protects against water, oily liquids and staining. • Limits efflorescence formation.
- Anti-staining, anti-dirt.
- Prevents chewing-gum from sticking, limits dirt due to pollution from building up again. Limits moss and lichen growth.
- Makes cleaning easier.
- Very good anti-graffiti properties.
- Prevents deterioration resulting from freeze-thaw cycle.
- Non film-forming, lets the surface breathe.
- UV-resistant, does not discolour.
- Invisible once dry.
- Ready to use, easy to use.

COVERAGE

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

Terracotta	7.0 m ² / litre
Concrete	5.0 m ² / litre
Floor Tiles	75.0 m ² / litre
Inter-locking paving	4.0 m ² / litre
Stone cladding	4.0 m ² / litre
Limestone	2.0 m ² / litre
Freestone	1.3 m ² / litre
Hebel type stone	0.6 m ² / litre



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APPLICATION DATA

Equipment : Non Atomizing Spray e.g. Use knapsack or backpack, brush or roller

Cleaning : Water

Typical Specification : One coat, however if applied over a concrete block wall or pressed pavers, 2 applications (wet on wet) may be required due to the porosity.

SURFACE PREPARATION

All surfaces to be structurally sound and free of contamination. Oil, grease, dirt etc must be removed.

- Apply the product to a surface that is clean, dust-free, grease-free and dry. To remove stains and marks of pollution use **Guard Cleaner® Polluted Facades**. In case of greasy stains use **Guard Cleaner® Eco Soiled Floors**. For efflorescence, laitance or concrete bloom use **Guard Remover® Eco Efflorescence & Cement**.
- Rinse carefully and wait until the surface is completely free from any cleaner marks.
- Mix / stir thoroughly for at least 2 minutes before use using a mechanical mixer.
- Do not dilute, ready to use.
- Always do a preliminary test on a small area to check suitability
- Apply the **ProtectGuard®** evenly to saturation. Load the surface with enough product so that the 'mirror wet look' lasts for at least 5 seconds. On very porous surfaces this may mean further application before the first application has dried (called 'wet on wet').
- Apply using a non-atomising sprayer working from the bottom up (in walls) and overlapping the spray pattern 15-20%
- Do not over apply. Squeegee any excess product off before drying

CLEAN UP

Clean all equipment after use with water. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including delays.

PACKING & STORAGE

Packing : Available in 2, 5, 10 or 25L pails. For availability of other sizes, contact **Integra Industries**.

Storage : Keep in a dry place (between 5-30°C). 2 year shelf life in original unopened container.

RECOMMENDATIONS

- Remove all atmospheric pollution-related dirt from all surfaces to be treated before starting the treatment.
- For best results it is essential that **ProtectGuard®** is used when the temperature of the substrate is 5 to 30°C.
- Do not apply to low or very low porous materials (in this case use **ProtectGuard® HD** or **ProtectGuard® MG Eco**).
- Do not apply to organic, metallic or waterproofing materials.
- 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.
- We recommend maintaining regularly the surface to keep its new look. Stubborn dirt should be cleaned off with clean water or with a pH neutral cleaner.
- **ProtectGuard®** does not prevent from tyre marks on floors. To remove these marks, use **Guard Cleaner® Eco Soiled Floors**
- Some stains (eg. stains from leaves) seem harder to remove. In this case, just apply some **Guard Wash®**, let it act and then rinse with water. It will not remove the protection product.

HEALTH AND SAFETY

All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet. Users should familiarise themselves with all the safety accepts of the product prior to usage.

Please ensure the current Technical Data Sheet is consulted prior to specification or application.. If the surface intended to be treated differs from the specification, please consult the **Integra Industries** Technical team on 1800 500 803.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. For additional information, phone our Customer Service Centre on **1800 500 803**.

OCT 2017 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.