

Product Data Sheet

WATER AND OIL REPELLENT, ANTI-STAINING - TOTAL PROTECTION FOR LOW POROSITY, or SUBJECT to HIGH TRAFFIC SUBSTRATES

PRODUCT DESCRIPTION

ProtectGuard® HD is the ideal water and oil repellent treatment for all low porous floors and facades.

ProtectGuard® HD's excellent protection properties also protects materials submitted to heavy duty traffic.

ProtectGuard® HD durably protects materials against the main causes of degradation, such as atmospheric and industrial pollution, greasy soiling, water seepage and chewing gum. A material treated with **ProtectGuard® HD** will look as new for much longer, and will be easier to maintain.

ProtectGuard® HD is a non film-forming impregnating treatment, meaning that the treated surface remains permeable to air and water vapour. **ProtectGuard® HD** is totally colourless after application and changes neither the appearance nor the composition of the treated material. It is also UV-resistant and does not discolour with age.

TYPICAL APPLICATIONS

ProtectGuard® HD is ideal for treating all interior and exterior low porous walls and floors in : concrete, travertine, synthetic stone, granite, non polished and non crystallized marble, etc.

It is especially recommended for floors submitted to heavy traffic (pedestrian zones, parking zones, terraces, balconies, swimming pool decks, lobbies, staircases, work stations...)

ProtectGuard® HD is used for new and renovated constructions.

TECHNICAL INFORMATION

Colour : Clear

Chemical : Water-borne fluorinated copolymer based

Specific Gravity : 1.0 ± 0.01

PH : 6 ± 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 : < 1 gm/litre

Surface Bond : Excellent

100% Biodegradable

Non Hazardous & Non Toxic

Solvent & Silicone free

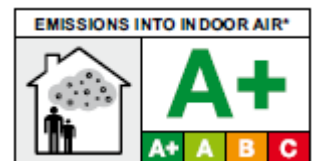
ADVANTAGES & FEATURES

- Effective for more than 10 years
- Protects against water, oily liquids and staining.
- Limits efflorescence formation.
- Anti-staining, anti-dirt.
- Limits chewing-gum from sticking, dirt due to pollution from building up again and moss and lichen growth.
- Makes cleaning easier.
- Good anti-graffiti properties.
- Abrasion resistant.
- 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:

5 to 12 m² / 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 porous materials (in this case use **ProtectGuard®**).
- 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® HD** 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.