

PROTECTGUARD®

SPECIAL CONCRETE



WATER & OIL REPELLENT, ANTI-STAINING AND ANTI-GRAFFITI FOR CONCRETE

- ✓ **TOTAL PROTECTION: WATER, OIL, STAINS & GRAFFITI**
- ✓ **WALLS & FLOORS**
- ✓ **EFFECTIVENESS 10 YEARS**
- ✓ **INTERIOR AND EXTERIOR**

- ✓ **NON FILM-FORMING: LETS A SURFACE BREATHE**
- ✓ **ODOURLESS & CLEAR: DOES NOT CHANGE A MATERIAL'S COLOUR**
- ✓ **UV AND ABRASION RESISTANT**

DESCRIPTION

ProtectGuard® Special Concrete is the ideal water and oil repellent treatment for all type of concrete.

ProtectGuard® Special Concrete durably protects all porous and low porous concrete. It prevents the main causes of degradation such as atmospheric pollution, greasy soiling, infiltration, graffiti... It delays the aging of the support and facilitates its maintenance.

ProtectGuard® Special Concrete is a non film-forming impregnating treatment, meaning that the treated surface remains permeable to air and water vapour.

ProtectGuard® Special Concrete 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 discolor with age.

USE

ProtectGuard® Special Concrete is a single product for the treatment of new or renovated facades, walls and floors. It can be used indoors and outdoors to protect

all types of concrete: shuttering, prefabricated, fiber-reinforced, UHPC, GRC...

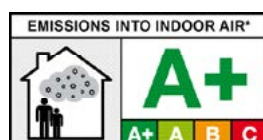
On very low porous, polished, glazed concrete and some UHPC, use ProtectGuard® CE Special Concrete.

CHEMICAL NATURE

- Water-borne fluorinated copolymer based.

ADVANTAGES AND CHARACTERISTICS

- Effective for more than 10 years.
- Protects against water, oily liquids and staining.
- Limits efflorescence formation, dirt due to pollution and moss and lichen growth.
- Makes cleaning easier.
- Good anti-graffiti properties.
- Prevents deterioration resulting from freeze-thaw cycle.
- Non film-forming, lets the surface breathe.
- Invisible once dry and UV-resistant, does not discolour.
- Ready to use, easy to use.



ENVIRONMENT

Environment-friendly product:

- Water-based product.
- Solvent and silicone free.
- Non hazardous and non toxic.
- 100% biodegradable*.
- VOC < 1 g/l*.

CONTAINERS

25 litres.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Uncoloured
Odour	: None
pH	: 6 ± 0.5
Boiling point [°C]	: 100 °C
Density	: 1.01 ± 0.01
Solubility in water [vol/vol]	: Total
Flash point [°C]	: Not applicable

HOW TO USE

Surface preparation :

- The conditions of application and substrate preparation
- must comply with French unified code of practice DTU 59.1.
- Apply the product to a surface that is clean, dust-free, grease-free and dry.
- Clean using **Guard Cleaner® Eco Surface Preparation** to open up the porosity of the concrete and allow optimum grip of the protection. This step also allows the elimination of traces of efflorescence, laitance or cement bloom. To renew in case of persistent traces.
- In case of greasy stains or formwork release oil residues, use **Guard Cleaner® Eco Maintenance** first.
- Rinse carefully with a pressure washer until the surface is free from all traces of the cleaner.
- Wait for complete drying through, approximately 24 hours before treatment.

Application :

- Use neat, do not dilute.
- Shake the product well before use.
- Always carry out a preliminary test.
- The treated surface should be impregnated to saturation point in one application.
- Do not over apply, eliminate any exceeding product before drying.
- On vertical surfaces, apply from the bottom-up.
- Drying time: 24 hours.
- Optimum effectiveness obtained after 7 days.

APPLICATION TOOLS

- Apply using a low pressure sprayer, a roller or a brush.



MAINTENANCE

Stains and dirt:

- The support can be cleaned with clean water or with the cleaner **Guard Cleaner® Eco Maintenance**.

Graffiti and tags :

- Graffiti can be cleaned by applying **GraffitiGuard® 2030 Ecological** cleaner followed by a high pressure rinse with hot water, preferably.

COVERAGE

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

100 to 200 g / m² - 5 to 10 m² / litre.

CLEANING YOUR EQUIPMENT

- Clean tools and equipment with water.

RECOMMENDATIONS

- Remove all atmospheric pollution-related dirt from all surfaces to be treated before starting the treatment.
- On fresh concrete or cement, wait at least 28 days before application or use **ProtectGuard® FC 24H**.
- Do not apply to very low porous, polished or glazed concrete. In this case, use **ProtectGuard® CE Special Concrete**.
- Do not apply to organic, metallic or waterproofing materials.
- For a perfect application and effective protection, **ProtectGuard® Special Concrete** must be used on a support having a temperature between 10°C and 30°C, a humidity level less than or equal to 5% and a pH between 7 and 10.
- Do not apply in rainy weather, very hot weather or in full wind. Air temperature between 10°C and 30°C. Hygrometry rate: between 30% and 80% RH (relative humidity).
- In the event of rain 24 hours after application, plan to reapply the product. Check for the absence of precipitation within 24 hours of the work.
- Do not dilute or mix with any other product.

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.

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.

PRODUCT FOR PROFESSIONAL USE ONLY

TECHNICAL SUPPORT

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For the most recent version of our data sheet, visit our website

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