



**PROTECTGUARD® WF**  
**SPECIAL CONCRETE**



**WATER REPELLENT – OIL REPELLENT – ANTI-STAIN PRODUCT  
 PROTECTING FIBER REINFORCED HIGH PERFORMANCE CONCRETE**

- PROTECTS AGAINST WATER, OIL AND STAINING**
- ABRASION RESISTANT**

- LETS A SURFACE BREATHE**
- FLOORS AND WALLS**
- INTERIOR AND EXTERIOR**

**PRODUCT DESCRIPTION**

ProtectGuard® WF Special Concrete is a water and oil repellent product designed to protect concrete and high performance concrete such as Ductal®. It protects against the main causes of deterioration such as water penetration, atmospheric pollution and grease-based stains. A surface treated with ProtectGuard® WF Special Concrete will be easier to care for and will be protected over time.

ProtectGuard® WF Special Concrete is an ecological, water-based product (non toxic, petroleum solvent-free).

ProtectGuard® WF Special Concrete is an impregnation product: it allows the substrate to remain permeable to air and water vapour. It is abrasion resistant and UV-resistant and does not yellow.

**USE**

ProtectGuard® WF Special Concrete is used indoors and outdoors to protect horizontal or vertical concrete and fiber reinforced high performance concrete such as Ductal®.

**CHEMICAL NATURE**

- Acrylic and fluor in aqueous phase.

**ADVANTAGES AND CHARACTERISTICS**

- Protects against water and oily liquids.
- Anti-staining, anti-dirt.
- Limits dirt due to pollution from building up again.
- Limits moss and lichen growth.
- Prevents deterioration resulting from the freeze-thaw cycle.
- Makes cleaning easier.
- Non film-forming, lets the surface breathe.
- UV-resistant, does not yellow.
- Good resistance to abrasion and scratches.
- Ready to use.

**ENVIRONMENT**

**Environment-friendly product:**

- Water-based product.
- Petroleum solvent and silicone free.
- Non hazardous and non toxic.
- Biodegradable > 80%\*.
- VOC < 35 g/l\*.

**CONTAINERS**

2 and 5 litres.

\* Calculation based on the components' data.

## TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Milky
Odour	: None
pH	: 8.5 ± 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 :

- Apply the product to a surface that is clean, dust-free, grease-free and dry. To remove greasy stains, efflorescence, laitance or concrete bloom use **Guard Remover® Eco Efflorescence & Cement**.

### Application :

- Use neat, do not dilute.
- Shake the product well before use.
- Always carry out a preliminary test.
- **ProtectGuard® WF Special Concrete** is applied in 2 layers.
- Apply the 1<sup>st</sup> layer to the surface.
- Let the product penetrate and dry (from 15 to 30 minutes according to the material's porosity and temperature) then apply the 2<sup>nd</sup> layer.
- **Do not over apply, eliminate any exceeding product before drying.**
- Drying time: 24 hours.
- Optimum effectiveness obtained after 5 to 7 days.

## APPLICATION TOOLS

- Apply with an applicator, an HVLP spray gun or an air assisted gun.



## MAINTENANCE

- Stubborn dirt should be cleaned off with clean water or with **Guard® Cleaner Eco Soiled Floors** diluted with 50% water.
- Following traffic-induced wear, the protection and 'wet-look' can be regenerated by re-applying **ProtectGuard® WF Special Concrete** neat or diluted with 50% of water.

## COVERAGE

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

**6 to 10 m<sup>2</sup> / litre for 2 layers**

## CLEANING YOUR EQUIPMENT

- Clean tools and equipment immediately after use with water.

## STORAGE

- Keep in a dry place (between 5°C and 30°C).
- Storage: 12 months following the production date when kept in the 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® WF Special Concrete** is used when the temperature of the substrates is between 10°C and 30°C.
- Do not apply during rain or in very hot weather. Air temperature between 5°C and 30°C.
- Do not mix with any other product.
- In certain cases, the product can slightly the slipperiness of the surface.
- Always carry out a preliminary test.

## 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

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