

**10  
YEARS****A 10 Year Quality**\* For more information consult us

# PROTECTGUARD® DTOX



## WATER & OIL REPELLENT, SELF-CLEANING AND POLLUTION-REMOVING TOTAL PROTECTION OF POROUS BUILDING MATERIALS

- ✓ **PROTECTION AGAINST WATER, DIRT AND GREASE**
- ✓ **PHOTOCATALYTIC REMOVAL OF POLLUTION**
- ✓ **OUTDOORS**

- ✓ **NON FILM-FORMING, LETS A SURFACE BREATHE**
- ✓ **ODOURLESS AND COLOURLESS : DOES NOT CHANGE THE COLOUR**
- ✓ **UV AND FROST RESISTANT**

### PRODUCT DESCRIPTION

ProtectGuard® Dtox is an innovative product which combine water-repellent, oil-repellent, anti-graffiti and pollution-removing properties.

ProtectGuard® Dtox offers long-lasting protection against water, atmospheric pollution, grease-type staining, penetration of liquids and graffiti.

A material treated with ProtectGuard® Dtox becomes virtually self-cleaning and will be easier to maintain.

ProtectGuard® Dtox uses photocatalytic action to remove pollutants present in outdoor air and breaks down organic pollution. Air is therefore purified.

ProtectGuard® Dtox is a non film-forming impregnation product that leaves the treated surface permeable to air and water vapour.

ProtectGuard® Dtox 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 discolor with age. ProtectGuard® Dtox is available in a coloured version (ProtectGuard® Color Dtox)

### USE

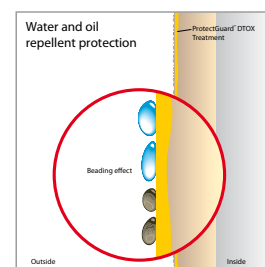
ProtectGuard® Dtox is applied outdoors on porous facades (stone, concrete, brick, rendering...).

ProtectGuard® Dtox is used for new and renovated constructions.

### CHEMICAL NATURE

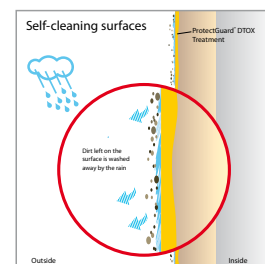
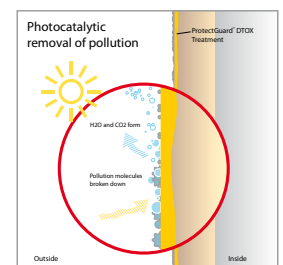
- Acrylic copolymer in aqueous phase and photoactive titanium dioxide.

### FUNCTIONING OF THE PRODUCT



ProtectGuard® Dtox offers long-lasting protection against water, dirt, grease, graffiti and pollution. The combination of these properties and photocatalysis limit the build-up of grime on materials.

Under the action of UV light, titanium dioxide is activated. It breaks down pollutants and organic contamination (pollution, exhaust fumes, moss, mould, grease....). Organic pollutants are then converted into water vapour and carbon dioxide.



Thanks to the product's water- and oil-repellent properties, dirt cannot cling to the surface and is washed off by the rain. Surfaces treated with ProtectGuard® Dtox thus become self-cleaning.

## ADVANTAGES AND CHARACTERISTICS

- Protects against water and grease.
- Anti-staining, anti-dirt and anti-adhesion.
- Photocatalytic removal of pollution: purifies outside air.
- Makes surfaces self-cleaning.
- Limits formation of efflorescences.
- Limits development of moss and lichens.
- Makes materials more resistant to atmospheric pollution.
- Makes cleaning easier.
- Good anti-graffiti properties.
- Prevents degradations due to 'freezethaw' cycles.
- Non film-forming, lets a surface breathe.
- UV-resistant, does not yellow.
- Ready and easy to use.

## CONTAINERS

5 and 25 litres.

## ENVIRONMENT

### Environmentally friendly and ecological:

- Water-based product.
- Petroleum solvent-free.
- Silicone-free.
- Safe and non-toxic.
- VOCs < 20 g/l\*.
- Biodegradable > 90%\*.

## TECHNICAL DATA

Physical state at 20 °C	: Liquid
Colour	: Uncoloured
Odour	: None
pH	: 6.5 ± 0.5
Boiling point [°C]	: 100 °C
Density	: 1.0 ± 0.01
Solubility in water [vol/vol]	: Total
Flashpoint [°C]	: Not applicable

## HOW TO USE

### Substrate preparation :

- 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® Eco Polluted facades**. For efflorescence, laitance or concrete bloom use **Guard Remover® Eco Efflorescence & Cement**.

### Application :

- Use product neat - do not dilute.
- Shake container well before use. Test first.
- The treated surface should be impregnated to saturation point, either in one application or in two applications 'wet-on-wet'.
- Do not over apply, eliminate exceeding product before drying.
- Drying time: 24 hours.
- Optimum effectiveness obtained after 7 days.

## APPLICATION TOOLS

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



## MAINTENANCE

- Stubborn dirt should be cleaned off with clean water or with **Guard Maintenance® Eco**.

## COVERAGE

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

Terracotta	7.00 m²/l
Concrete	5.00 m²/l
Rendering	2.50 m²/l
Limestone	2.00 m²/l

## 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: 24 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® Dtox** 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.

## 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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