



A 5 Year Quality Guarantee

TWO COMPONENT



WATER, OIL-REPELLENT, DIRT-REPELLENT & PERMANENT ANTI-GRAFFITI: THE STAIN THAT PROTECTS, EMBELLISHES AND DECORATES ALL KIND OF CONCRETES

- PROTECTS AGAINST WATER, OIL, DIRT AND GRAFFITI
- ALLOWS SUBSTRATE TO BREATHE

- DECORATES AND EMBELLISHES
- UV-RESISTANT
- INTERIOR AND EXTERIOR

PRODUCT DESCRIPTION

ProtectGuard® Color Two component is a two-components product that durably protects and embellishes concretes.

1. Water and oil repellent & anti-graffiti product

ProtectGuard® Color Two component gives lasting protection against the main causes of deterioration such as dirt, stains of all kinds, atmospheric pollution, greasy dirt, water intrusion, etc. ProtectGuard® Color Two component offers long-lasting protection against graffiti. It can be cleaned dozens of times (with GraffiGuard® 2010 graffiti cleaner) and will still keep working, so does not need to be reapplied after graffiti has been removed.

2. Pigmented stain

ProtectGuard® Color Two component is a substrate stain well suited to concretes and UHPC. Unlike a paint, it is a semitransparent product which does not interfere with the inorganic nature of the materials. The final colour is dependent on the colour of the stain and the colour of the substrate.

ProtectGuard® Color Two component is a non-film-forming product – the substrate remains permeable to air and water vapour.

USE

ProtectGuard® Color Two component is used indoors as well as out on all kind of vertical concretes: regular concrete, reinforced concrete, fiber concrete, UHPC, etc.

AVAILABLE COLOURS

50 standard colours from the ProtectGuard® Color Two component colour chart. The final shade depends on the initial shade of the substrate. Customers' own colours can also be incorporated in the laboratory or on site on demand.



Examples of colours. ProtectGuard® Color Two component is available in matt, gloss and thick matt for roller application.

## CHEMICAL NATURE

- Two-part aqueous-phase polyurethane with fluorinated acrylic copolymer and inorganic pigments.

## ADVANTAGES AND CHARACTERISTICS

- Gives colour while preserving the inorganic nature of concrete.
- Prevents water and greasy liquids from penetrating.
- Stain- and dirt-repellent. Adhesive-repellent
- Limits recurrence of dirt build-up due to pollution and moss and lichen growth - makes cleaning easier.
- Prevents the penetration of graffiti.
- Prevents freeze/thaw damage.
- Non-film-forming, allows substrate to breathe.
- UV-resistant.

## ENVIRONMENT

### Ecological and respects the environment:

- Water-based product.
- No petroleum-based solvents.
- Silicone-free.
- Safe and non-toxic.
- Biodegradable > 80%\* .
- VOCs < 28 g/l\*.

## CONTAINERS

1 and 5 litres kits (bucket + hardener). Made up of the base (A component) and the hardener (B component).

## TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Coloured
Odour	: Odourless
pH	: 7.5 ± 0.5
Boiling point [°C]	: 100 °C
Density	: About 1.06 depending on the colour
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 stains and marks of pollution use **Guard Cleaner® Polluted Facades**. For concrete bloom or efflorescence, use **Guard Remover® Eco Efflorescence & cement**.
- The conditions of application and substrate preparation must comply with French unified code of practice DTU 59.1.

### On regular concretes:

- Begin by applying **Primer Guard®** with a brush, roller or an HVLP sprayer to promote adhesion (coverage: 8 to 12 m<sup>2</sup> per litre). Wait a minimum of 4 hours (maximum of 48 hours) before applying **ProtectGuard® Color Two component**. For more information refer to the **Primer Guard®** data sheet.

### On UHPC:

- Begin by applying **Primer Guard® Special UHPC** with a brush, roller or an HVLP sprayer to promote adhesion (coverage: 12 to 15 m<sup>2</sup> per litre). Wait a minimum of 4 hours (maximum of 48 hours) before applying **ProtectGuard® Color Two component**. For more information refer to the **Primer Guard® Special UHPC** data sheet.
- Surface preparation before application has a major influence on the final appearance and performance of the coating, especially as regards the adhesion of **ProtectGuard® Color Two component** to the substrate.
- Always carry out a test first.

### Application:

- **ProtectGuard® Color Two component** is prepackaged in the correct ratios. All of component A must therefore be mixed with all of component B. Under no circumstances modify the A:B ratio.
- Before use, thoroughly mix part A (base) using an electric stirrer until a homogeneous liquid is obtained.
- Stirring continuously, add part B (hardener) to part A (base). Blend at moderate speed with an electric mixer for at least 5 min. Leave for half an hour to allow bubbles to escape, then homogenise again with the electric mixer before application.
- Once prepared, the mixture can be used for 4 hours at an ambient temperature of less than 20°C.

### Applying the first layer:

- Dilute the first layer to 10% in clean (drinking) water. Thoroughly homogenise the whole mixture.
- Having first treated the substrate with the adequate primer, the product can now be applied to the substrate.
- Typical coverage on concrete: 60 to 100 g/m<sup>2</sup>.
- Leave to dry for 1 hour (assuming a temperature of 20°C).

### Applying the second layer:

- For better control and ideal results, it is recommended that the second layer be applied with an HVLP type spray gun.
- Typical coverage on concrete: 60 to 100 g/m<sup>2</sup>.
- Protected drying: 24 hours.
- Full effects achieved after 7 days.

**For more information refer to the technical specifications.**

## APPLICATION TOOLS

- For a perfect application, we recommend using an HVLP sprayer. Application with a brush or a roller is also possible.



## COVERAGE

The following values are for guidance only:

**120 to 200 g/m<sup>2</sup> 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

- Do not treat surfaces until they have first been cleaned of all atmospheric pollution and all stains.
- For ideal application and effective protection, **ProtectGuard® Color Two component** must be stirred and must be used **ONLY** when the substrate temperature is between 10°C and 30°C.
- Do not apply in rain, in very hot weather or without protection from the wind. Air temperature between 10°C and 30°C.
- Do not dilute (except for the 1<sup>st</sup> layer) or mix with another 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** : Wear protective clothing with long sleeves.
- **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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