



PROTECT GUARD® COLOR



WATER, OIL AND DIRT REPELLENT: THE STAIN THAT PROTECTS, EMBELLISHES AND DECORATES ALL KIND OF CONCRETES

- PROTECTS AGAINST WATER
- STAIN AND DIRT REPELLENT
- ALLOWS SUBSTRATE TO BREATHE

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

PRODUCT DESCRIPTION

ProtectGuard® Color : one product, two functions:

1. Water and oil repellent product

ProtectGuard® Color gives lasting protection against the main causes of deterioration such as dirt, stains of all kinds, atmospheric pollution, greasy dirt, water intrusion, etc. Treated substrates resist penetration by water, oil and dirt. The cleanliness of treated substrates is thus assured.

2. Pigmented stain

ProtectGuard® Color is a substrate stain well suited to concretes. 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 is a non-film-forming product – the substrate remains permeable to air and water vapour. ProtectGuard® Color is a one-component product and does not require the application of primer to make the surface beneath it uniform.

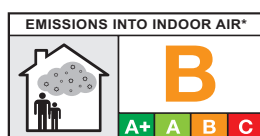
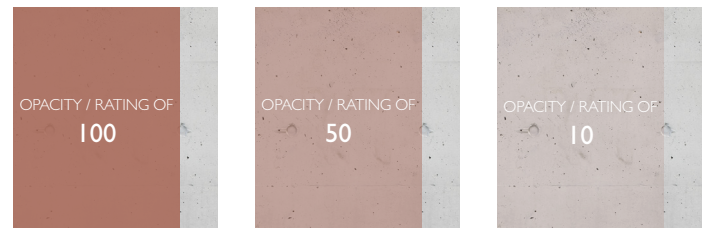
USE

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

AVAILABLE COLOURS

ProtectGuard® Color stains come in 42 standard colors and are available in matt or glossy finish. Customers' own colours can also be incorporated in the laboratory or on site on demand.

Each shade is available in 3 different opacities (opaque, semi-opaque and slightly opaque).



CHEMICAL NATURE

- Aqueous-phase fluorinated acrylic copolymer with inorganic pigments.

ADVANTAGES AND CHARACTERISTICS

- Gives colour while preserving the inorganic nature of concrete and without forming a surface film.
- 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.
- Limits the penetration of graffiti. The colour stain must be reapplied after graffiti has been removed.
- Prevents freeze/thaw damage.
- Non-film-forming, allows substrate to breathe.
- UV-resistant. Ready to use.

ENVIRONMENT

Ecological and respects the environment:

- Water-based product.
- No petroleum-based solvents. & silicone-free.
- Biodegradable > 80%* .
- VOCs < 26 g/l*.
- Rating for VOC emissions into indoor air: B

OFFICIAL TESTS

ProtectGuard® Color has undergone numerous tests by external laboratories demonstrating its performance.

- LRVision: Test of resistance to water and oil repellency. Test of abrasion and UV resistance.
- Crepim: Fire test.
- Eurofins: VOC emissions / LEED certification.
- LMDC: chloride resistance (LMDC)
- SIMCO: water absorption in concrete.
- Thomas Bell-Wright: tested & certified as per ASTM E84 with Class A result. Refer to www.tbwcert.com for validity and full documentation.

CONTAINERS

1, 5 and 25 litres.

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 container well before use. Use an electric stirrer if necessary to thoroughly disperse the pigments through the product.
- Always test first.

Application by HVLP :

- Apply from the bottom up no more than 2 to 4 coats at right angles to each other depending on the desired appearance.
- Apply sparingly.
- Drying time between coats: 15 minutes.

Application roller (only used for 100% opacity & non-textured smooth surfaces):

- Apply from the bottom up in 2 or 3 coats using the brush, spreading the product well over the substrate, not thickly. If brush marks are visible, smooth them out with a short-haired roller.
- Drying time between coats: 30 minutes.
- Protected drying: 24 hours.
- Full effects achieved after 7 days.

For more information refer to the technical specifications.

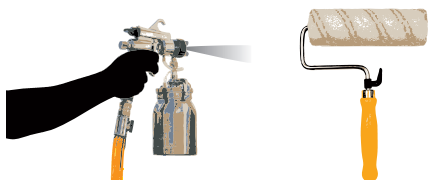
COVERAGE

The following values are for guidance only:

6 to 8 m² / litre for 2 layers.

APPLICATION TOOLS

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



CLEANING YOUR EQUIPMENT

- Clean tools and equipment immediately after use with water.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Coloured
Odour	: Odourless
pH	: 8.5 ± 0.5
Boiling point [°C]	: 100 °C
Density	: About 1.0 depending on the colour
Solubility in water [vol/vol]	: Total
Flash point [°C]	: Not applicable

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

- Only treat surfaces previously cleaned of all atmospheric pollution and stains.
- On fresh concrete or cement, wait at least 28 days before application.
- Do not apply to organic, metallic or waterproofing materials.
- For a perfect application and effective protection, **ProtectGuard® Color** 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). Check for the absence of precipitation within 24 hours of the work.
- Always handle the product in a ventilated area.
- Provide protection for the surrounding supports and protection for the applicator.
- 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 : 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.

PROFESSIONAL PRODUCT

TECHNICAL SUPPORT

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For the most recent version of our data sheet, visit our website www.guardindustry.com

Last updated : 07/03/2022

Tested & certified as per ASTM E84
with Class A result



Refer to www.tbwcert.com
for validity and full
documentation