

# PROTECT GUARD® 30

## COLOR

### EXPRESS



## COLOURED MINERAL STAIN FOR SPECIAL FRESH OR YOUNG CONCRETE

### WATER-REPELLENT, ANTI-STAIN & ANTI-EFFLORESCENCE

- ✓ CAN BE USED 24 HOURS AFTER DEMOULDING
- ✓ PROTECTS AGAINST WATER, EFFLORESCENCE, OIL, STAIN AND GRAFFITI
- ✓ DECORATES AND EMBELLISHES
- ✓ SEMI-OPAQUE FINISH
- ✓ NO PEELING OFF, ALLOWS SUBSTRATE TO BREATHE & UV-RESISTANT
- ✓ FACADE INTERIOR & EXTERIOR
- ✓ IDEAL FOR THE CONCRETE INDUSTRY

#### DESCRIPTION

ProtectGuard® Color 30 Express: one product, two functions:

##### 1. Water, oil-repellent and anti-efflorescence

ProtectGuard® Color 30 Express is a product designed to protect prefabricated elements made of young alkaline concrete (less than 28 days old) against water, oil, stains, dirt and rising efflorescence. ProtectGuard® Color 30 Express retards the deterioration of treated surfaces and simplifies their maintenance.

By its specific composition, ProtectGuard® Color 30 Express can be applied on hardened concrete 24 hours after its implementation on site or after demoulding in a prefabrication plant.

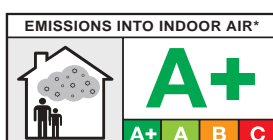
##### 2. Semi-opacifying pigmented mineral stain

ProtectGuard® Color 30 Express is a substrate stain well suited to concretes. Unlike paint, it is a semi-opaque product that respects the mineral nature of materials. The final colour is the sum of the colour of the stain and the colour of the substrate.

ProtectGuard® Color 30 Express is a ready to use product and does not require the application of primer to make the surface beneath it uniform. Non-film-forming product – the substrate remains permeable to air and water vapour.

#### USE

ProtectGuard® Color 30 Express can be used on all exterior and interior vertical surfaces of untreated concrete (regular concrete, precast, fibre-reinforced, UHPC, GRC) older than 24 hour.



## AVAILABLE COLOURS

ProtectGuard® Color 30 Express stains comes in 126 standard colors and are available in matt or glossy finish. It is also possible to produce custom colours in the laboratory or on site on request.

## CHEMICAL NATURE

Water-based polymers with mineral pigments.

## ADVANTAGES AND CHARACTERISTICS

- Apply 24 hours after implementation. Avoids the 28-day curing period: concrete can be treated and delivered in 48 hours!
- Semi-opaque coloured stain: preserving the minerality of concrete and without forming a surface film.
- Anti-stain, anti-dirt & anti-efflorescence: prevents water and greasy liquids from penetrating and greatly reduces efflorescence and damage caused by freezing and thawing.
- Sacrificial anti-graffiti.
- Makes cleaning easier.
- Non-film-forming, allows substrate to breathe.
- UV-resistant.
- Ready-to-use, single-component product.

## ENVIRONMENT

### Environment-friendly product:

- Water-based product.
- Non hazardous: no petroleum-based solvents & silicone-free.
- 80% biodegradable.
- VOC < 30 g/l\*.

## CONTAINERS

5 and 25 litres cans.

## TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Coloured
Odour	: Odourless
pH	: 5.5 ± 0.5
Boiling point [°C]	: 100 °C
Density	: ± 1.0 depending on colour
Solubility in water [vol/vol]	: Total
Flash point [°C]	: Not applicable

## HOW TO USE

### Surface preparation:

- Apply the product to concrete that has been freshly demoulded for more than 24 hours. The surface must be clean, free of dust, efflorescence and mould release oil residues.
- If the surface requires prior cleaning for the reasons mentioned above, clean with Guard Cleaner® Surface Preparation and/or Guard Cleaner® Maintenance. On concrete that has dried for more than 48 hours, cleaning must be carried out.
- Rinse carefully with a pressure washer until the surface is free from all traces of the cleaner.
- Allow to dry for at least 12 hours before applying the protection.

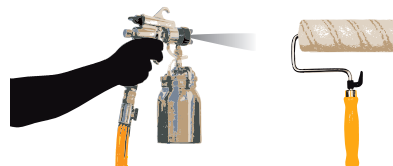
### Application:

- Use neat - do not dilute.
- Mix the product for at least 3 minutes using a mechanical agitator to homogenise the pigments with the rest of the composition.
- Always carry out a full preliminary test under actual conditions of use on a small surface to check effectiveness and compatibility with the substrate.
- Apply from the bottom up in 2 criss-cross coats.
- Drying time between coats: 15 to 30 minutes.
- Do not overload the substrate, remove any excess before drying.
- Protected drying and palletisation time under film: 24 hours.
- Optimum effectiveness obtained after 7 days.

**For more information refer to the Technical Specifications Document.**

## APPLICATION TOOLS

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



## COVERAGE

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

**100 to 150g/ m<sup>2</sup> or 6 to 10 m<sup>2</sup> / 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: 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.
- Do not apply to concrete with very low porosity, polished, glazed, organic, metallic or waterproofing materials.
- For a perfect application and effective protection, **ProtectGuard® Color 30 Express** 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

For intensive use, refer to paragraph 8.2 of the safety data sheet.

- 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.

**PRODUCT FOR PROFESSIONAL USE ONLY**

## TECHNICAL SUPPORT

### GUARD INDUSTRY

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**For the most recent version of our data sheet, visit our website [www.guardindustry.com](http://www.guardindustry.com)**

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