

PROTECTGUARD®

EXPRESS



TRANSPARENT SEALER 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
- ✓ FACADE, FLOOR & ROOF
- ✓ INTERIOR & EXTERIOR
- ✓ ALLOWS SUBSTRATE TO BREATHE & UV-RESISTANT
- ✓ IDEAL FOR THE CONCRETE INDUSTRY

DESCRIPTION

ProtectGuard® 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® Express retards the deterioration of treated surfaces and simplifies their maintenance.

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

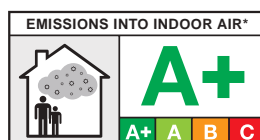
ProtectGuard® Express impregnates the substrate without forming a film, so the substrate remains permeable to air and water vapour. Once dry, ProtectGuard® Express is colourless. It is also UV-resistant and does not yellowish with time.

USE

ProtectGuard® Express is recommended for exterior or interior facades and wall, and for interior floors. Ideal on untreated concrete (regular concrete, precast, fibre-reinforced, UHPC, GRC) older than 24 hours.

ADVANTAGES AND CHARACTERISTICS

- Apply 24 hours after implementation. Avoids the 28-days curing period: concrete can be treated and delivered in 48 hours!
- Anti-stain, anti-dirt & anti-efflorescence: prevents water and greasy liquids from penetrating and greatly reduces efflorescence and damages 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*.

CHEMICAL NATURE

Water-based polymers.

CONTAINERS

5 and 25 litres cans.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: White
Odour	: Odourless
pH	: 5.5 ± 0.5
Boiling point [°C]	: 100 °C
Density	: 1.01 ± 0.02
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 product.
- 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.

APPLICATION TOOLS

For a perfect application, we recommend using an HVLP sprayer. Application with a short nap roller or brush 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/ m² or 6 to 10 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: 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.
- In some cases, the product may give a slight a wet look effect.
- For a perfect application and effective protection, **ProtectGuard® 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.
- Environmental protection and packaging: dispose of empty packaging at a waste disposal centre. Never dispose of packaging in the environment.
- 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

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