

PROTECTGUARD® FC 24H



WATER, OIL AND STAIN REPELLENT - ANTI-EFFLORESCENCE SPECIALLY FORMULATED FOR FRESH CONCRETE

- ✓ **24H TECHNOLOGY: CAN BE USED 24 HOURS AFTER POURING**
- ✓ **NON-FILM FORMING – ALLOWS SUBSTRATE TO BREATHE**
- ✓ **PROTECTS AGAINST WATER, STAINS AND EFFLORESCENCE**
- ✓ **FACADES AND WALLS**
- ✓ **SACRIFICIAL ANTI-GRAFFITI**
- ✓ **EXTERIOR**

DESCRIPTION

ProtectGuard® FC 24H is a product that is designed to protect young and alkaline porous concrete (less than 28 days and $\text{pH} > 9$) against water, oil, stains, grime of all kinds, and graffiti.

ProtectGuard® FC 24H retards the deterioration of treated surfaces and simplifies their maintenance. It will reduce and can totally eliminate the appearance of efflorescence at a substrate's surface.

Being water-based, ProtectGuard® FC 24H can be applied on hardened concrete 24 hours after its implementation on site or after demoulding in a prefabrication plant.

ProtectGuard® FC 24H impregnates the substrate without forming a film, so the substrate remains permeable to air and water vapour.

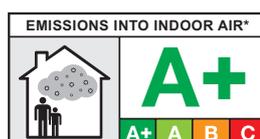
Once dry, ProtectGuard® FC 24H is colourless. It is also UV-resistant and does not yellow with time.

USE

ProtectGuard® FC 24H is used outdoors on vertical porous alkaline surfaces such as concrete and young concrete (less than 28 days old).

ADVANTAGES AND CHARACTERISTICS

- Prevents penetration by water and greasy liquids.
- Stain and grime repellent – limits soiling.
- Limits greatly efflorescence.
- Sacrificial anti-graffiti layer.
- Limits frost damage.
- Easy to clean.
- Non-film forming – allows substrate to breathe.
- UV-resistant, non-yellowing.
- Ready to use and easy to use.
- Non flammable.



ENVIRONMENT

Environment-friendly product:

- Water-based product.
- Petroleum solvent free.
- Non hazardous and non toxic.
- Biodegradable > 80%.
- VOC < 30 g/l*.

CHEMICAL NATURE

A blend of polymers in an aqueous phase.

CONTAINERS

5 and 25 litres cans.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: White
Odour	: None
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 :

- 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® 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® 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 the product neat.
- Shake the product using an electric stirrer for at least 1 min. until a homogeneous liquid is obtained.
- Test first.
- Apply from bottom to top in 2 cross coats.
- Drying time between each coat: 15 to 30 minutes.
- Do not over apply the product.
- Protect for 24 hours until dry.
- Optimum effectiveness obtained after 5 to 7 days.

APPLICATION TOOLS

Apply with a HVLP type spray gun or brush.



COVERAGE

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

100 to 150g / m² - 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

- Always clean off all atmospheric pollution and all concrete release agent from the surface before applying the product.
- Do not dilute or mix with another product.
- **ProtectGuard® FC 24H** may give a slight wet look to some concretes.
- For ideal application and effective protection, **ProtectGuard® FC 24H** must only be used when the substrate temperature is between 10°C and 30°C. This product is incompatible with lower temperatures.
- Do not apply during rain or in very hot weather. Air temperature between 5°C and 30°C.

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.

PRODUCT FOR PROFESSIONAL USE ONLY

TECHNICAL SUPPORT

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For the most recent version of our data sheet, visit our website

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