



# TECHNICAL SOLUTIONS FOR PRECAST CONCRETE AND GRP



CLEANING, PROTECTION AND AESTHETICS OF CONCRETE PRECAST ELEMENTS, GRP AND EQUIPMENT





**For more than 30 years, leader in the care of materials**

Guard Industry develops innovative and eco-friendly products designed to clean, protect and embellish building materials.

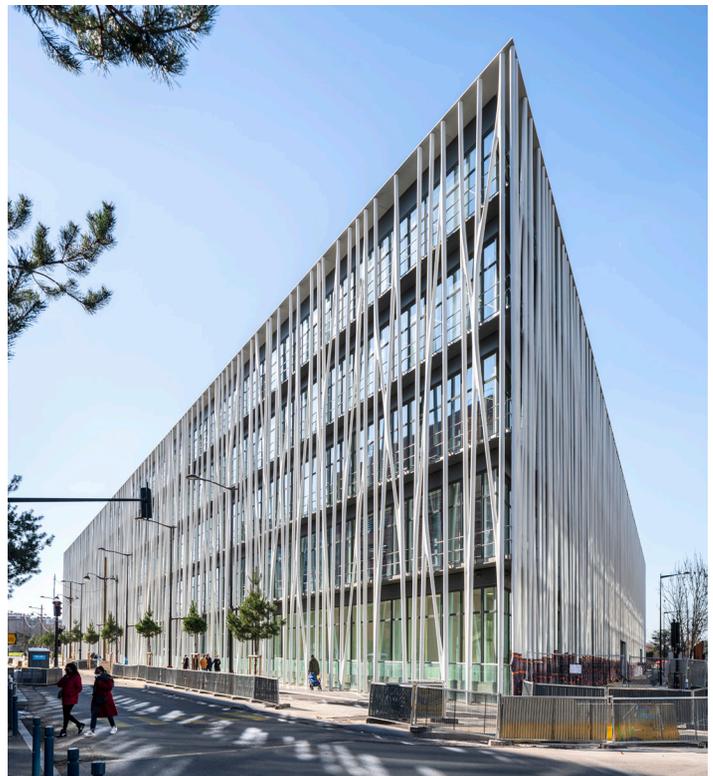
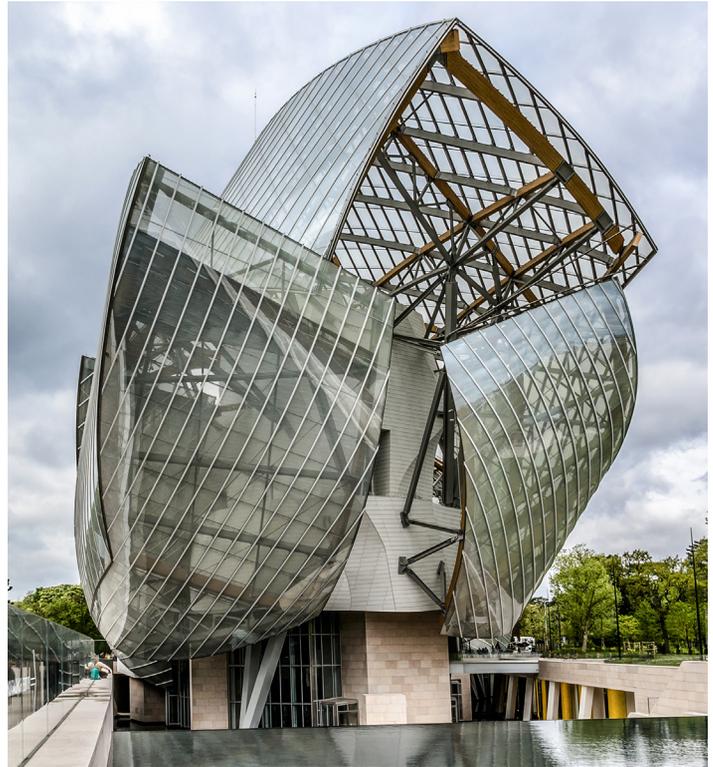
Everyday, our company assists industrial players and building manufacturers to meet their specific needs.

**A specific range of products for concrete precast companies**

To meet the specific needs of concrete, UHPC and GRC Guard Industry has developed a range of products that perfectly fit the peculiarities of these materials and allowing to clean, protect and decorate it.

Our cleaning products are designed to bring soiled concrete back to its original level of cleanliness. They are essential for good surface preparation. They help finishing products penetrate and ensure homogeneous result.

Once the surface has been cleaned, the clear or coloured protection product can be applied. It will maintain concrete elements 'new' appearance much longer.



*« What is the common point between St. Peter's Basilica in Rome, Notre-Dame de Paris cathedral, the Petit Palais, Moscow university, Tian An Men square, Westminster streets, Qatar National Museum, the Marseillaise tower, Paris Orthodox Church, Puné temple, Hanoi airport and soon your building?*

*Look no further, Guard Industry's products have been used on all these projects. Contact us whether you want to know more about our solutions. Trust us and let us take care of your buildings.*

*Guard Industry is the aesthetic solution for construction materials, the finishing touch that makes the difference! ».*

**Barnabé Wayser, Guard Industry's CEO**

## We develop state-of-the-art products

- LRVision - Engineering company specialized in concrete aesthetics
- Eurofins - Market leader in testing and laboratory services
- CEBTP - Research Experimental Centre for Buildings and Public Works
- CREPIM - Laboratory for development and approval of materials covered by fire regulations
- LNE - French National Laboratory of Measurement and Metrology
- LMDC - Materials and Durability of Construction Laboratory
  - SIMCO Technologies inc - Expert in materials
  - Kiwa - Testing, Inspection and Certification services
  - Hatcher & Associates - Specialist in environmental toxicology
- Lucideon - Materials and products consultancy, testing and technology
  - Atara - Consultant in eco-construction
- SGS - Inspection, verification, testing and certification company
  - Thomas Bell-Wright - Engineering consultant - testing, inspection and certification

For more than 30 years, Guard Industry has been committed to developing state-of-the-art products. We use technologically advanced molecules: fluor, siloxane, silane, acrylic, elastomer and titanium dioxide. These high performance molecules give the best oil and water repellent properties and a high resistance to abrasion.

With 12 active patents, Guard Industry continues to innovate and surprise the construction industry.

## Efficiency of our products has been approved by international testing centres

### Tests carried out:

Hydrophobic test - Oil resistance test - Water absorption test - Test of resistance to abrasion and UV - Test of resistance to penetration of inks and graffiti - Toxicity test - Test of resistance to alkali, Flammability test, VOC emissions test - Food contact - EPD...

All our test reports are available upon request.

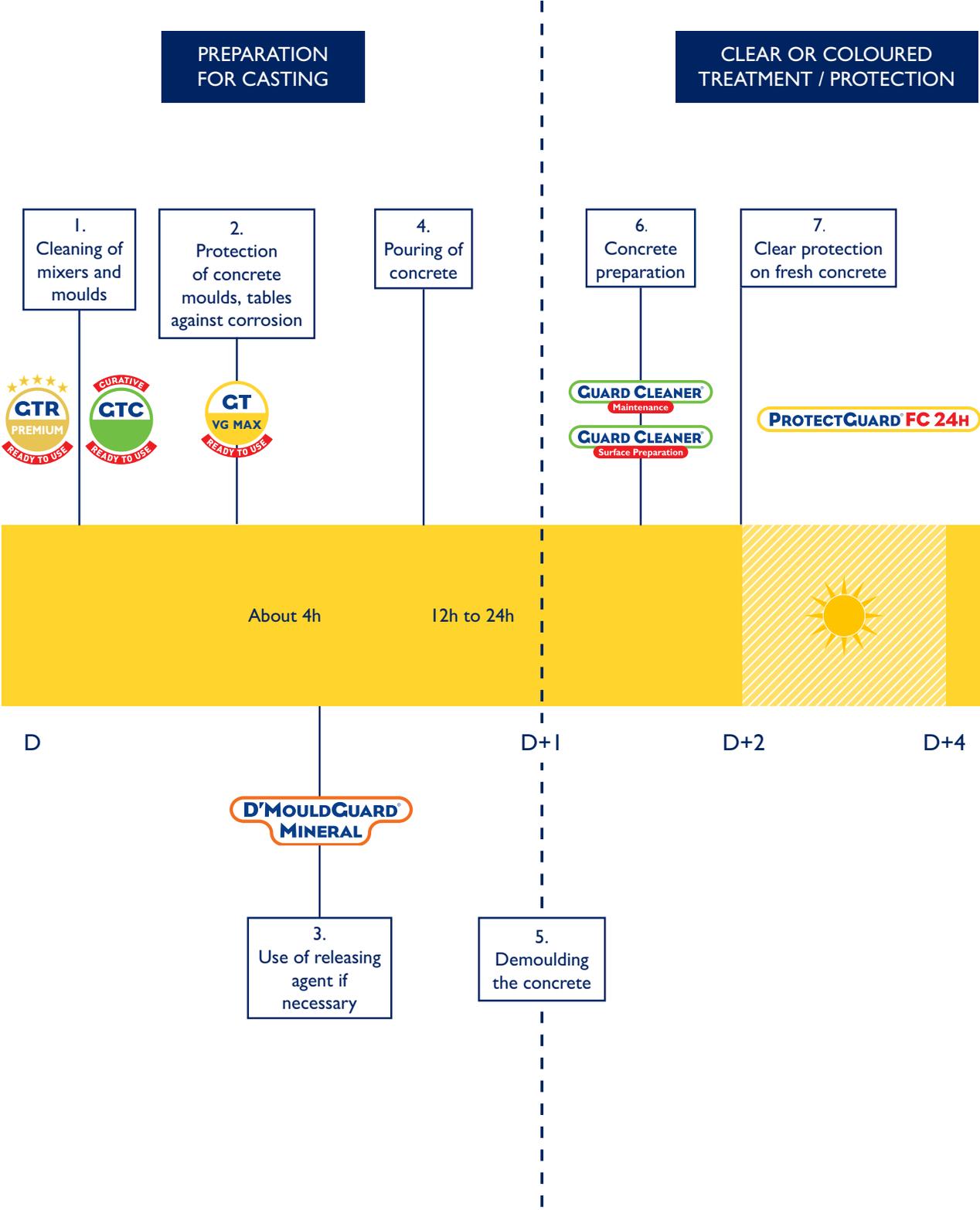
## Eco-design to limit the environmental impact

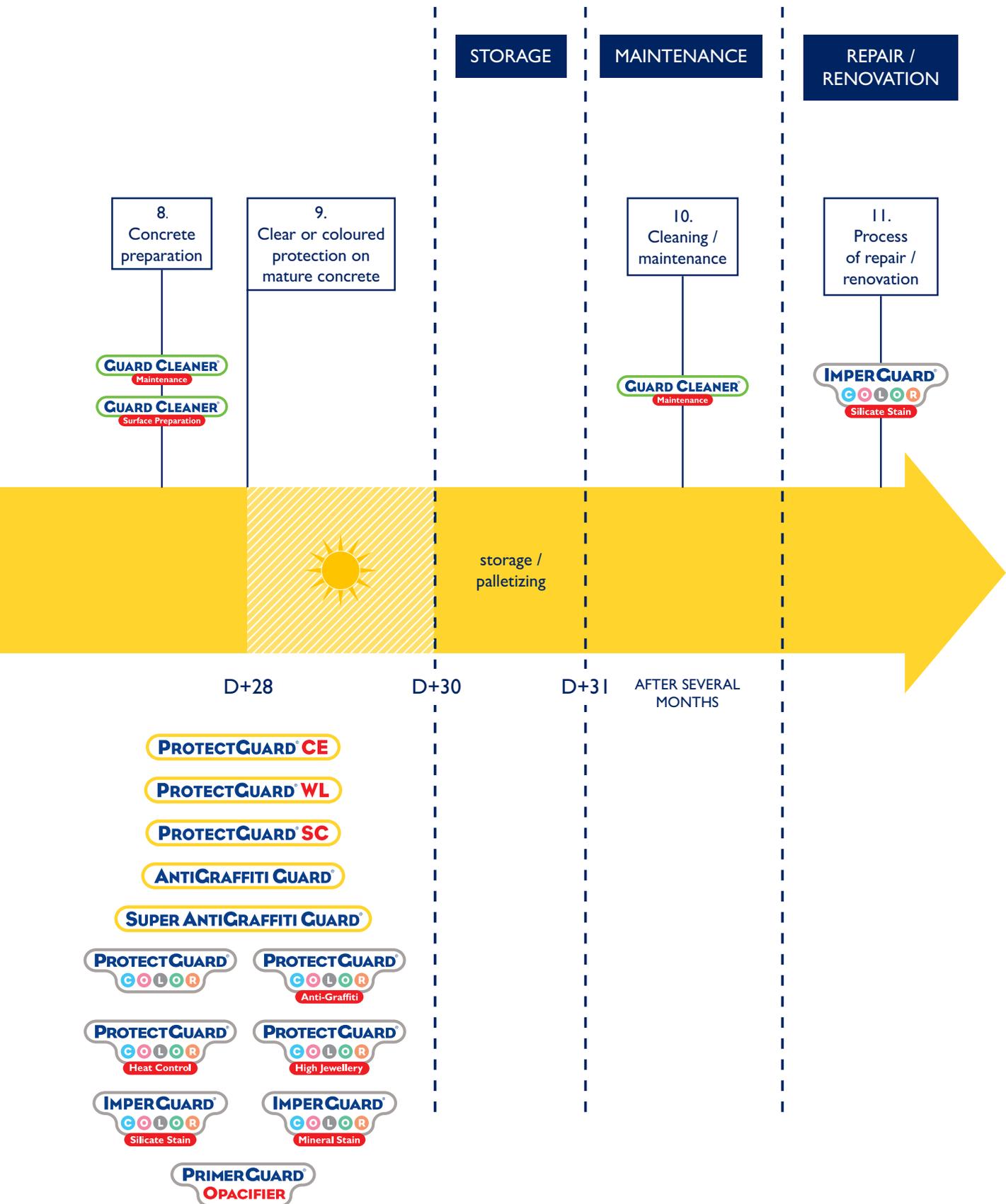
At Guard Industry, we are committed to integrating environmental protection into the design of our products in order to reduce their environmental impact as much as possible.

The majority of the products we formulate are:

- Water-based
- Over 90% biodegradable (according to OECD standards)
- With a low level of VOC (Volatile Organic Compounds)
- Free of petroleum solvents
- Non-toxic / non-hazardous

# We support you throughout concrete's lifecycle of production





# PRODUCTS FOR EQUIPMENT

Guard Industry has developed Guard Tech<sup>®</sup>, a specific range of cleaning and protection products dedicated to tools maintenance. This innovative range comprises products designed to eliminate concrete residues, rust, cement film and efflorescences.



# SUMMARY

## CLEANING PRODUCTS

Guard Tech Remover<sup>®</sup> Premium p. 8

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## PROTECTION PRODUCTS

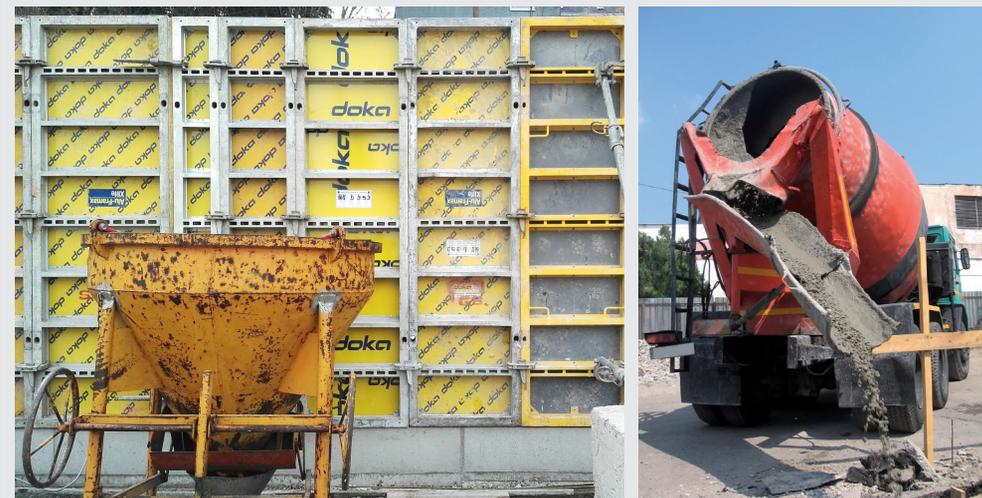
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## FORM OIL

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# GUARDTECH REMOVER®

Product code 8151

## Concrete cleaner and degreaser for RMC plant equipment.

Guard Tech Remover® Premium (GTR® Premium) is a new generation concrete remover.

GTR® Premium is highly effective at removing concrete and cement residues and storage and demoulding oils.

**GTR® Premium is safer than mineral acids.**

GTR® Premium is much less aggressive than other products on the market based on citric, hydrochloric and phosphoric acids. It is therefore safer to use. GTR® Premium does not contain any CMR substance (carcinogenic, mutagenic or toxic to reproduction).

**GTR® does not damage materials.**

Tests carried out on building materials have proved that GTR® Premium's active substance is less corrosive than other substances available on the market such as hydrochloric acid. GTR® Premium can be applied to all substrates with no major impact (metals, glass, rubber, paints, etc.) and does not damage spray guns.

Ideal for the maintenance of RMC equipment :

- metal formwork,
- wooden mouldboxes,
- concrete skips,
- props,
- RMC plants,
- concrete mixer trucks, etc.

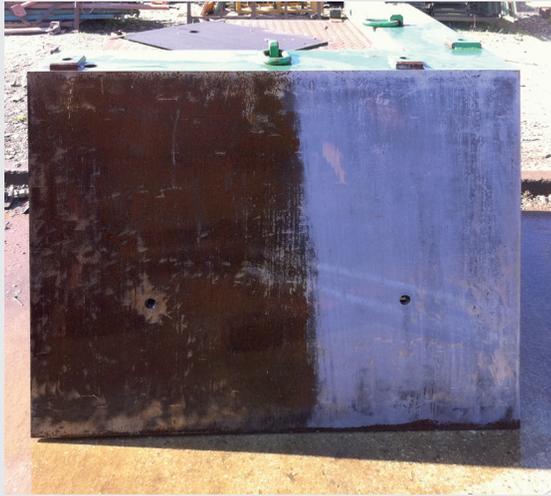
GTR® Premium can be applied to all substrates with no major impact (metals, glass, rubber, paints, etc.).

100% BIODEGRADABLE



### ADVANTAGES

- HIGH EFFICIENCY
- DOES NOT DAMAGE EQUIPMENT
- PROTECTS USER'S SAFETY
- CMR-FREE



## GUARD TECH CLEANER®

Product code 8000

### Rust stripper for building equipment.

Guard Tech Cleaner® (GTC®) is a new generation rust stripper designed for cleaning formwork and all materials used in building and civil engineering.

GTC® instantly eliminates rust on formworks and building equipments. GTC® has been designed to meet the various requirements of applicators safety of use, effectiveness, low environmental impact and respect for the treated surfaces.

Unlike conventional acid products, it is not classified as a corrosive, meaning it poses much less of a hazard during use.

GTC® is an eco-friendly product formulated with organic molecules. It is biodegradable up to 70% and with low VOC content.

#### ADVANTAGES

- POWERFUL CLEANER
- QUICK EFFICIENCY
- DOES NOT DAMAGE EQUIPMENT
- NON CORROSIVE: SAFE TO USE

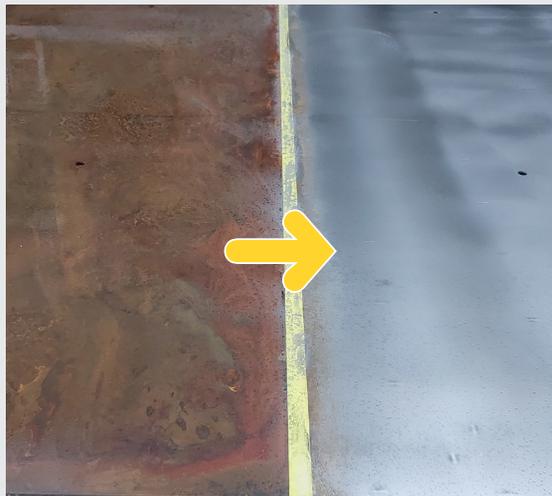
Ideal for the maintenance of RMC equipment :

- metal formwork,
- wooden mouldboxes,
- concrete skips,
- props,
- RMC plants,
- concrete mixer trucks, etc.

GTC® can be applied to all substrates with no major impact (glass, rubber, paints, etc.).

70% BIODEGRADABLE





# GUARD TECH VG MAX®

Product code 8310

## Permanent anti-corrosion with beading effect for construction material.

GT VG Max® is a permanent protector of metal surfaces and equipment intended for long storage or transport in an aggressive environment.

GT VG Max® provides rust protection for all raw or machined metals stored indoors or outdoors. After drying, it forms a tough 25 µm film that protects against moisture while maintaining the original condition. The duration of protection is increased by the application of overlapping layers, it can then reach 6 months.

### ADVANTAGES

- ANTI-CORROSION AND NON-STICK
- LONG-TERM PROTECTION (6 MONTHS)
- ECONOMIC: 1L = 20 M<sup>2</sup>
- NON-GREASY, NON-STICKY, DOES NOT CLOG EQUIPMENT
- NO RISK OF SLIPPING DURING TRANSPORT OR HANDLING
- COMPATIBLE WITH RELEASE OILS

Ideal for the protection of :

- Metal panels
- Concrete molds
- Concrete mixers
- Truck mixers
- Loaders
- Winemaking equipment

GT VG Max® is usable whatever the atmospheric conditions of temperature, hygrometry and the degree of salinity.

90% BIODEGRADABLE



VEGETABLE-BASED



GT VG Max® is a biosourced product derived from biomass. It has been formulated on the basis of ingredients of plant origin (corn, beet, tree resin). The use of vegetable molecules represents an eco-responsible alternative to fossil resources that are harmful to the environment.



# GUARDTECH NEUTRALIZER®

Product code 8222

## Vegetable protective and cleaning oil for concrete mixers.

Guard Tech Neutralizer® (GTN®) is a curative and preventive product designed to protect mixers and clean concrete residues.

### 1. Curative action :

Used on a daily basis, GTN® softens concrete residues that accumulate over the course of a working day. Applied at the end of a working day, it reduces concrete residues during the night.

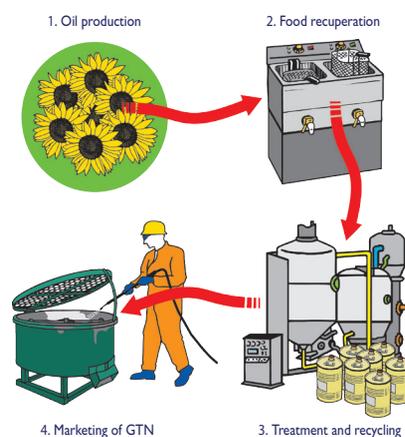
### 2. Preventive action :

Thanks to its protection properties, GTN® prevents concrete from contaminating equipment and makes maintenance easier. It therefore helps to increase the lifespan of equipment. GTN® can be applied to any equipment without alteration (metal, rubber, paint...) and without risk for users.

## ADVANTAGES

- DISSOLVES CONCRETE AND MORTAR RESIDUES
- PREVENTS CONCRETE FROM STICKING
- DOES NOT DAMAGE EQUIPMENT
- NON CORROSIVE - NON IRRITANT

### 100% VEGETABLE ORIGIN



GTN® is formulated with **100% organic-based raw material** of which 91% coming from second generation recycled oil.

GTN® does not contain petrochemical-based products, heavy metals and is not corrosive. It is therefore less hazardous than other products on the market. **It is 90% biodegradable and with low VOC content.**

IDEAL FOR THE MAINTENANCE OF :  
concrete mixers,  
concrete moulds... and all  
building equipment

90%  
BIODEGRADABLE



VEGETABLE-BASED





# GUARD TECH NEUTRALIZER®

Product code 8210

## Mineral protective and cleaning oil for concrete mixers.

Guard Tech Neutralizer® Mineral (GTN®) is a curative and preventive product designed to protect mixers and clean concrete residues.

GTN® Mineral softens concrete residues that accumulate over the course of a working day on concrete moulds and concrete mixers. GTN® Mineral prevents concrete from contaminating equipment and makes maintenance easier. It therefore helps to increase the lifespan of equipment.

Ideal for the maintenance of :

- concrete mixers,
- concrete moulds,
- all building equipment

### ADVANTAGES

- PREVENTS CONCRETE FROM STICKING
- NON EMULSIFIABLE
- DOES NOT DAMAGE EQUIPMENT



## D'MOULDGUARD<sup>®</sup> MINERAL

Product code 7510

### Mineral delayed concrete release agent.

D'MouldGuard<sup>®</sup> Mineral is a mineral-based release agent without petroleum solvents for concrete and mortar.

D'MouldGuard<sup>®</sup> Mineral is intended for delayed mold release of all types of white or colored concrete (architectural, fiber, High Performance, etc.).

D'MouldGuard<sup>®</sup> Mineral removes any adhesion of concrete or laitance on the formwork and does not leave an oily mark on the concrete.

D'MouldGuard<sup>®</sup> Mineral facilitates form stripping and allows the subsequent application of plasters or paints (acceptance of the substrate is the responsibility of the applicator).

For use exclusively on site and on steel, wood, plywood, plastic, polyester formwork (consult us for other supports)

#### ADVANTAGES

- REMOVES ANY ADHESION OF CONCRETE OR LAITANCE ON THE FORMWORK
- DOES NOT LEAVE ANY OILY MARK ON THE CONCRETE
- ALLOWS THE SUBSEQUENT APPLICATION OF COATINGS OR PAINTS
- NON NOCIVE / NON IRRITANT

# PRODUCTS FOR CONCRETE AND GRP

We support precast companies in developing tailor-made solutions that can be adapted to their production line to protect and embellish concrete, UHPC and GRP. We have developed three ranges of products designed to clean, protect, embellish and treat every kind of concretes and GRP.



# SUMMARY

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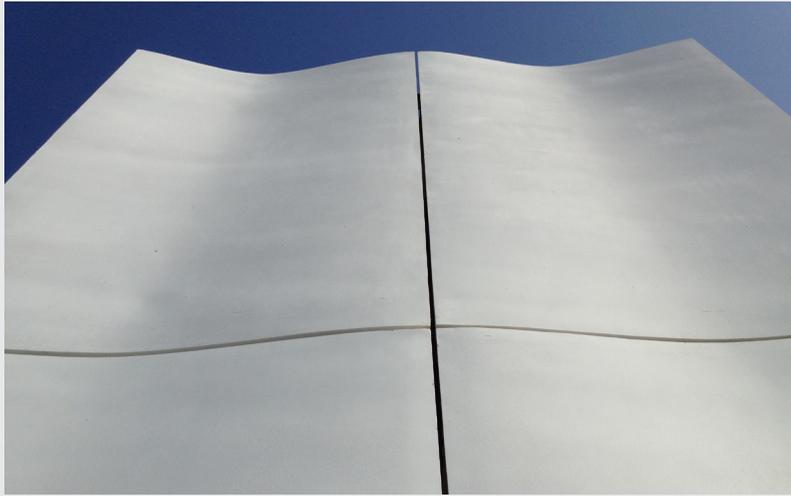
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# Choose the appropriate product according to your needs

PROTECTION	PRODUCTS	PROPERTIES					
		Water absorption	Oil-repellent / anti-stains	Anti-graffiti	Resistance to abrasion	Rising of efflorescences	Respect of the environment
	ProtectGuard® CE	★★★★★	★★★★★	★★★★	★★★★	★★★★★	LEED
	ProtectGuard® WL	★★★	★★★★★	★★	★★★	★★★	★★★
	ProtectGuard® SC	★★★	★★★★★	★★	★★★★	★★★	LEED
	ProtectGuard® FC 24H	★★★	★★★	★★	★	★★★	★★★
	AntiGraffiti Guard®	★★★★★	★★★★★	★★★★★	★★	★★★★★	★★★
	Super AntiGraffiti Guard®	★★★★★	★★★★★	★★★★★	★★	★★★★★	★

DECORATION	PRODUCTS	PROPERTIES						
		Water absorption	Oil-repellent / anti-stains	Anti-graffiti	Resistance to abrasion	Rising of efflorescences	Decrease of heat absorption	Aesthetics possibilities (opacity, high jewellery, custom-mades shades...)
	ProtectGuard® Color	★★★★	★★★★	★	★★	★★★★	✗	★★★★★
	ProtectGuard® Color AntiGraffiti	★★★★	★★★★	★★★★	★★★★	★★★★	✗	★★★★★
	ProtectGuard® Color Heat Control	★★★★	★★★★	★	★★	★★★★	★★★★★	★★★★
	ProtectGuard® Color AntiGraffiti Heat Control	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★★	★★★★
	ProtectGuard® Color Special GRP	★★★★	★★★★	★★★★	★★★★	★★★★	✗	★★★★★
	ImperGuard® Color Silicate Stain	★★	✗	✗	★★	★★	✗	★★
	ImperGuard® Color Mineral Stain	★★★★	✗	★	★★	★★★	✗	★★★



**GUARD CLEANER®**  
Surface Preparation

Product code 1344

## Surface preparation / increasing of porosity of concrete precast elements.

Guard Cleaner® Surface Preparation is a new generation stripper used to prepare concrete precast elements before the application of a finishing product.

Guard Cleaner® Surface Preparation is a cleaner which rapidly removes mortar or concrete laitance, limescale deposits and traces of efflorescence.

Guard Cleaner® Surface Preparation increases the concrete's porosity and helps finishing products to penetrate.

Guard Cleaner® Surface Preparation is a new generation product, it is much less aggressive than other products on the market (it is not classified and labelled corrosive or irritant, which means that the risk of accidents during its use is greatly reduced).

Guard Cleaner® Surface Preparation requires no neutralisation after rinsing with water.

### ADVANTAGES

- POWERFUL CLEANER
- INCREASES POROSITY
- HELPS PRODUCTS TO PENETRATE
- QUICK EFFICIENCY
- NON CORROSIVE - NON IRRITANT

#### Use:

- increase concrete's porosity
- allow finishing products to penetrate

#### Ideal for cleaning :

- cement residues,
- efflorescence on floors and walls,
- limescale deposits, etc.

#### NOTE:

In case of metallic fibers, do not use Guard Cleaner® Surface Preparation to clean the concrete but Guard Cleaner® Maintenance.

70% BIODEGRADABLE





## GUARD CLEANER® Maintenance

Product code 1354

### Degreasing and daily maintenance of concrete precast elements.

Guard Cleaner® Maintenance is a highly concentrated cleaner for maintenance of concrete protected with a protection product.

Guard Cleaner® Maintenance is designed for the cleaning and daily maintenance of concretes protected with a product from the ProtectGuard® or ProtectGuard® Color ranges.

Guard Cleaner® Maintenance eliminates stains, grease, pollution marks without altering the protection product. Guard Cleaner® Maintenance helps keeping the brand new appearance of the concrete and makes it easier to maintain.

Guard Cleaner® Maintenance can also be used to eliminate grease and form oils. It can be used with Guard Cleaner® Surface Preparation to achieve a perfect concrete preparation before application of a protection product.

In contrast to commonly-used corrosive or irritant products, Guard Cleaner® Maintenance consists of easily biodegradable and effective molecules.

#### ADVANTAGES

- POWERFUL CLEANER
- QUICK ACTION
- ELIMINATES STAINS AND GREASE
- DOES NOT ALTER THE PROTECTION PRODUCT
- NON CORROSIVE - NON IRRITANT

#### Use:

- Cleaning and daily maintenance of concretes protected with a protection product
- Can be used with Guard Cleaner® Surface Preparation to achieve a perfect concrete preparation before application of a protection product.
- Use for cleaning concretes with metallic fibers.

60%  
BIODEGRADABLE





## **GUARD REMOVER®**

### **Graffiti 2010**

Product code I210

## Graffiti cleaner for surfaces protected by an anti-graffiti protection product

Guard Remover® Graffiti 2010 is a special cleaner designed to remove ink and paint stains and residues.

Guard Remover® Graffiti 2010 is designed for the cleaning of surfaces protected by Guard Industry's two-components products : AntiGraffiti Guard® and ProtectGuard Guard® Color AntiGraffiti.

Guard Remover® Graffiti 2010 does not alter the surface, the protection product does not need to be reapplied after the graffiti removal.

### ADVANTAGES

- POWERFUL CLEANER
- EASILY REMOVES ALL TYPES OF GRAFFITI
- READY AND EASY TO USE
- DOES NOT DAMAGE PROTECTION

### Ideal for the cleaning of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

### Application :

- Facades
- Outdoors
- Surfaces protected by a Guard Industry two-components protection product



**PROTECTGUARD® CE**

Product code 2142

## Water and oil repellent for concrete. Meets standard EN 1504-2.

ProtectGuard® CE has established itself as the benchmark product for water-repellent, oil-repellent and anti-stain protection for concrete.

ProtectGuard® CE durably protects concrete against water, efflorescences, mould, atmospheric pollution, grease-type staining, chlorides, corrosion and carbonation.

ProtectGuard® CE is a very high penetrating product (penetration > 10 mm) for deep protection of concrete.

Treated concrete will benefit from an increased life-span and will be easier to maintain.

ProtectGuard® CE is an impregnation product allowing the substrate to remain permeable to air and water vapour. It resists to UV and abrasion.

ProtectGuard® CE is a CE marking product, that meets standard EN 1504 part 2.

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Floors
- Facades
- Indoors
- Outdoors

CE marking product.

BEADING EFFECT  
WATER + OIL



10 YEARS  
GUARANTEE



TESTED & CERTIFIED  
AGAINST FIRE  
as per ASTM E84 with  
Class A result



Refer to [www.tbwcert.com](http://www.tbwcert.com) for validity and full documentation

### ADVANTAGES

- PROTECTS AGAINST WATER AND CHLORIDES
- ANTI-STAINING AND ANTI-SOILING
- VERY HIGH PENETRATING POWER (> 10 MM)
- PREVENTS CORROSION OF REINFORCEMENTS
- HIGHLY ALKALI-RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT



# PROTECTGUARD® WL

Product code 2135

## Water and oil repellent with a wet finish for concrete.

ProtectGuard® WL is a water and oil-repellent treatment for concrete.

ProtectGuard® WL protects concrete against water ingress, oil and all types of stains. It makes maintenance easier and prevents the main causes of ageing like grease marks, ingress, etc.

ProtectGuard® WL is an environmentally-friendly product, completely in an aqueous phase (non toxic, oil-based solvent-free).

ProtectGuard® WL is an impregnation product, the material remains permeable to air and water vapour. It is also fully abrasion and UV resistant and does not yellow over time.

Available in matt or glossy finish.

### ADVANTAGES

- PROTECTS AGAINST WATER, OIL AND STAINS
- LETS THE MATERIAL BREATHE
- ABRASION RESISTANT
- UV AND FROST RESISTANT
- EXISTS IN FLAT / GLOSSY FINISH

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Floors
- Facades
- Indoors
- Outdoors

BEADING EFFECT  
WATER + OIL

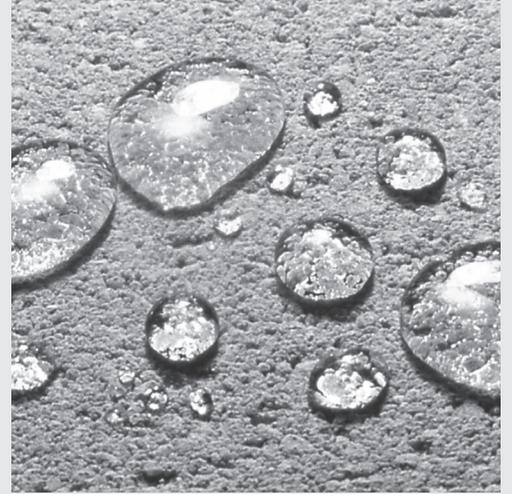


10 YEARS  
GUARANTEE



80%  
BIODEGRADABLE





**PROTECTGUARD® SC**

Product code 2115

## Water and oil repellent for concrete.

ProtectGuard® SC is the ideal water and oil repellent treatment for all types of concretes.

ProtectGuard® SC durably protects all porous and low porous concrete. It prevents the main causes of degradation such as atmospheric pollution, greasy soiling, infiltration, graffiti... It delays the aging of the support and facilitates its maintenance.

ProtectGuard® SC is a non film-forming impregnating treatment, meaning that the treated surface remains permeable to air and water vapour.

ProtectGuard® SC is totally colourless after application and changes neither the appearance nor the composition of the treated material. It is also UV-resistant and does not discolor with age.

### ADVANTAGES

- PROTECTS AGAINST WATER
- ANTI-STAINING AND ANTI-SOILING
- PROTECTS AGAINST GRAFFITI
- ABRASION RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT

#### Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

#### Application :

- Floors
- Facades
- Indoors
- Outdoors

#### BEADING EFFECT WATER + OIL

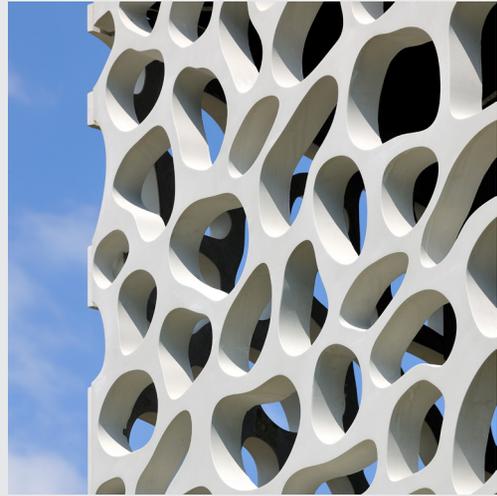


#### 10 YEARS GUARANTEE



#### 100% BIODEGRADABLE





# PROTECTGUARD® FC 24H

Product code 2126

## Total protection of fresh concrete from 24h after casting.

ProtectGuard® FC 24H is a water and oil-repellent product for young / alkaline concrete.

ProtectGuard® FC 24H protects young / alkaline concrete against water, oil, stains, soiling of any type and graffiti. Surfaces treated with ProtectGuard® FC 24H deteriorate less rapidly and make maintenance easier.

Due to its special composition, ProtectGuard® FC 24H can be applied to hardened concrete 24 hours after it is laid.

ProtectGuard® FC 24H highly reduces the appearance of mould at a substrate's surface and protects during transportation and storage.

ProtectGuard® FC 24H is a non-film forming impregnation product, the material remains permeable to air and water vapour. It is also fully resistant to UV rays and does not yellow over time.

ProtectGuard® FC 24H is a water-based and solvent-free eco-friendly product.

### ADVANTAGES

- PROTECTS AGAINST WATER, OIL AND STAINS
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT

**Ideal for the protection of :**

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

**Application :**

- Facades
- Indoors
- Outdoors

BEADING EFFECT  
WATER + OIL



10 YEARS  
GUARANTEE



80%  
BIODEGRADABLE





# ANTI GRAFFITI GUARD®

Product code 2212

## Permanent anti-graffiti protection for concrete.

AntiGraffiti Guard® is a very high performance two-part anti-graffiti product.

Formulated with new generation resins it is much more effective in terms of protection of all porous and low porous concrete against all kinds of graffiti or tags (paint, felt pens, etc.) and dirt.

AntiGraffiti Guard® protects treated surfaces permanently. It can be cleaned dozens of times (using Guard Remover® Graffiti 2010 cleaner). It does not need to be reapplied after graffiti removal.

AntiGraffiti Guard® also offers efficient protection against abrasion and scratches.

### ADVANTAGES

- ANTI-GRAFFITI PROTECTION
- WATER REPELLENT & ANTI-STAINING
- GOOD ABRASION RESISTANCE
- UV AND FROST RESISTANT
- EXISTS IN SATINATE / GLOSSY

**Ideal for the protection of :**

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

**Application :**

- Facades
- Indoors
- Outdoors

BEADING EFFECT  
WATER + OIL



ANTI-GRAFFITI



5 YEARS  
GUARANTEE



80%  
BIODEGRADABLE





# PRIMER GUARD®

Product code 9040

## Clear adhesion primer for application of two-component products on concrete.

Primer Guard® is a clear adherence primer.

Primer Guard® is designed to be used as a primer before application of any two-component products from the Guard Industry range: ProtectGuard Color® AntiGraffiti or AntiGraffiti Guard®.

Primer Guard® facilitates adherence due to its capacity to adhere strongly to the material. It therefore guarantees perfect adherence and performance of two-component products.

Primer Guard® is a non-film forming impregnation product, the material remains permeable to air and water vapour.

### ADVANTAGES

- GUARANTEES PERFECT ADHERENCE OF TWO-COMPONENT PRODUCTS
- LETS THE MATERIAL BREATHE
- COLOURLESS

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors

Application of Primer Guard® is essential to ensure the perfect final appearance and performance of the protection product.

80% BIODEGRADABLE





# SUPER ANTIGRAFFITI GUARD®

Product code 2220

## Permanent anti-graffiti protection. Cleaning of graffiti with water.

Super AntiGraffiti Guard® gives permanent protection against all kinds of graffiti and inks: paints, felt-tips, markers...

Super AntiGraffiti Guard® can resist several dozen cleans and therefore does not need to be reapplied after graffiti is removed.

Super AntiGraffiti Guard® benefits from the AquaNet System® technology: Graffiti is cleaned using nothing but high-pressure clear water without addition of chemical cleaning products.

For recent graffiti, using a simple cloth soaked in water may suffice.

### ADVANTAGES

- PERMANENT PROTECTION AGAINST GRAFFITIS
- PROTECTION AGAINST WATER AND STAINS
- FLAT FINISH
- CLEANING WITH WATER ONLY: NO CHEMICAL PRODUCT NEEDED
- ABRASION-RESISTANT

#### NOTE

On low-porous concretes (UHPC, Ductal®) use before the adherence primer Primer Guard® S200. Consult us for more information.

#### Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

#### Application :

- Facades
- Indoors
- Outdoors

#### BEADING EFFECT WATER + OIL



#### ANTI-GRAFFITI



#### CLEANING WITH WATER



#### 10 YEARS GUARANTEE





Product code 9850

## Coloured stain : embellishes & protects concrete, UHPC, GRC against water and staining.

ProtectGuard® Color is a two-in-one product designed to colour and protect concrete.

ProtectGuard® Color is a semi transparent impregnation product, which colours whilst at the same time retaining the mineral look of the concrete.

ProtectGuard® Color allows to personalise both the colour and the finish of the colour.

ProtectGuard® Color protects concrete against water and limits deterioration resulting from humidity (efflorescence, moss, rust...), chlorides and carbonation.

ProtectGuard® Color also protects against greasy stains and pollution. The cleanliness of treated substrates is thus assured.

### ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- COLOURED IMPREGNATION STAIN
- OPACITY FROM 5% TO 100%
- HIGH UV RESISTANCE
- EXISTS IN FLAT / GLOSSY



TESTED & CERTIFIED AGAINST FIRE  
as per ASTM E84 with Class A result  
Refer to [www.tbwcert.com](http://www.tbwcert.com) for validity and full documentation

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- All RAL and NCS colours
- Colour matching possible

BEADING EFFECT  
WATER + OIL



10 YEARS  
GUARANTEE



80%  
BIODEGRADABLE



COLOUR  
LASTING





Product code 9107

## Coloured stain : embellishes & protects concrete UHPC, GRC against water, staining and graffiti.

ProtectGuard® Color AntiGraffiti is a two-in-one product designed to colour and protect concrete.

ProtectGuard® Color AntiGraffiti is a semi transparent product, which colours whilst at the same time retaining the mineral look of the concrete.

ProtectGuard® Color AntiGraffiti allows to personalise both the colour and the finish of the colour.

ProtectGuard® Color AntiGraffiti protects concrete against water and limits deterioration resulting from humidity (efflorescence, moss, rust...). It also protects against greasy stains, pollution and offers **antigraffiti protection that resists dozens of cleanings.**

### ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- ANTI-GRAFFITI PROTECTION
- COLOURED IMPREGNATION STAIN
- OPACITY FROM 5% TO 100%
- HIGH UV RESISTANCE
- EXISTS IN SATINATE / GLOSSY

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- All RAL and NCS colours
- Colour matching possible

BEADING EFFECT  
WATER + OIL



ANTI-GRAFFITI



10 YEARS  
GUARANTEE

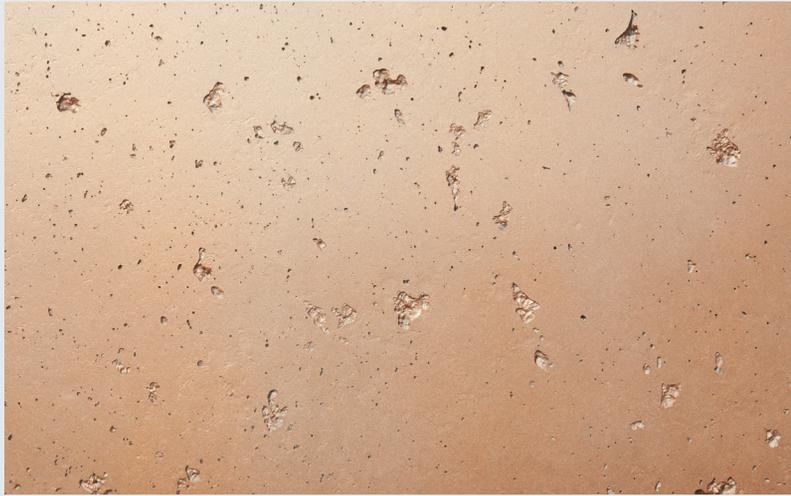


80%  
BIODEGRADABLE



COLOUR  
LASTING





Product code 9860

## Coloured stain : embellishes & protects concrete, UHPC, GRC against water and staining.

ProtectGuard® Color High Jewellery is a two-in-one product designed to colour and protect concrete.

ProtectGuard® Color High Jewellery is a semi transparent impregnation product, which colours whilst at the same time retaining the mineral look of the concrete.

ProtectGuard® Color High Jewellery comprises 32 original colours with several effects: metallic, pearlescent, iridescent or luminescent. ProtectGuard® Color High Jewellery allows artistic prowess: multiple finishes, changing reflections...

ProtectGuard® Color High Jewellery durably protects concrete against water and limits deterioration resulting from humidity (efflorescence, moss, rust...). ProtectGuard® Color High Jewellery also protects against greasy stains and pollution. The cleanliness of treated substrates is thus assured.

### ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- COLOURED IMPREGNATION STAIN
- SPECIAL FINISHES: METALLIC, IRIDESCENT, PEARLESCENT, LUMINESCENT...
- HIGH UV RESISTANCE

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 32 «high jewellery» shades
- Colour matching possible

BEADING EFFECT  
WATER + OIL



10 YEARS  
GUARANTEE



80%  
BIODEGRADABLE



COLOUR  
LASTING





Product code 9854

## Heat Control technology coloured stain : reduces concrete's heat absorption.

Heat Control is a brand new technology formulated with cool black pigments, which reflect energy and reduce concrete's heat absorption.

In exposed areas, dark shades applied on coatings absorb energy. Concrete quickly warms up and becomes brittle.

Standard DTU59.1 forbids the use of colours with an absorption rate > 0.7 that is to say a Total Solar Reflectance (TSR) <35%.

To solve this issue, Guard Industry has developed colours with of a black «cool» pigment. The use of this pigment reduces the absorption rate and increases the Total Solar Reflectance (TSR).

As a result, dark colours heat less and last longer. They become conform with Technical spec of the construction industry (DTU 59.1);

Heat Control technology is suitable for ProtectGuard® Color and ProtectGuard® Color AntiGraffiti.

### ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- REDUCES CONCRETE'S HEAT ABSORPTION
- COLOURED IMPREGNATION STAIN
- OPACITY FROM 5% TO 100%
- HIGH UV RESISTANCE
- EXISTS IN FLAT / GLOSSY

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



19 shades compliant with French standard DTU 59.1

- TSR > 35%
- Solar absorption rate < 0,7

BEADING EFFECT  
WATER + OIL



10 YEARS  
GUARANTEE



80%  
BIODEGRADABLE



COLOUR  
LASTING



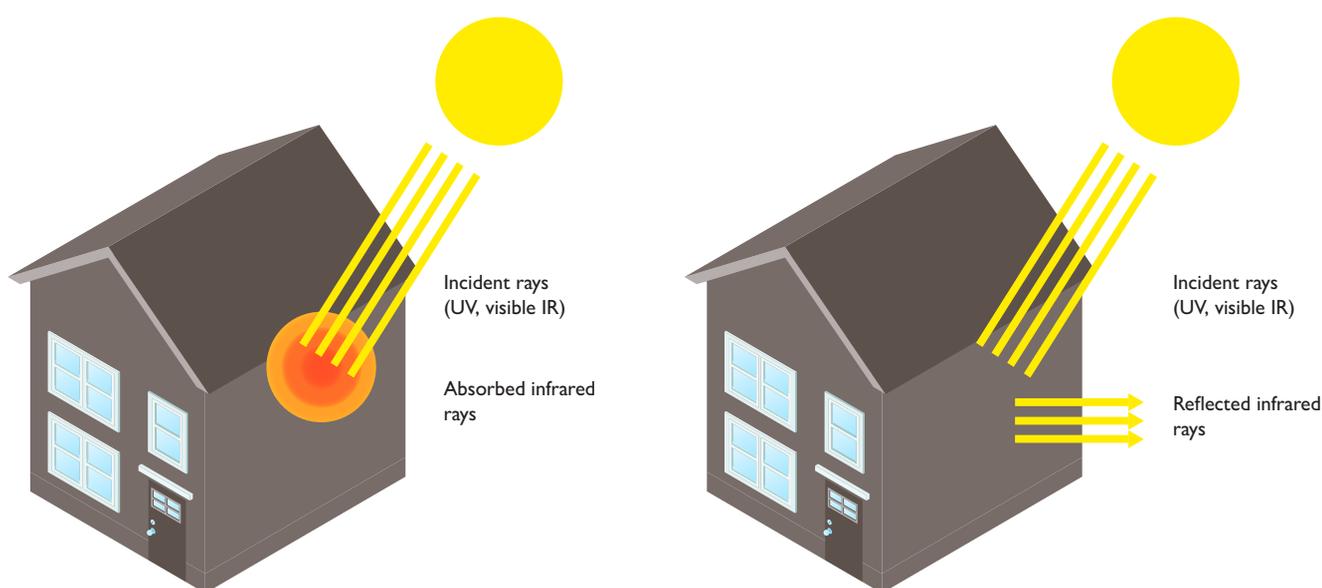
# Functioning of the cool pigment

To resolve the problems associated with dark coatings, it is therefore necessary to increase the colour reflection rate and lower the solar absorption.

Black pigment absorbs the most infrared radiation and reflects the least light. For this reason it has a greater impact on the surface temperature. It is this pigment that needs to be improved.

Guard Industrie has therefore developed an innovative technology: the use of a "cold" black pigment in the formulation of concrete stains.

Unlike traditional black pigments, this "cold" pigment reflects a large proportion of infrared rays. Concrete stain containing cold pigment acts as a shield against infrared radiation.



## Without cold pigment

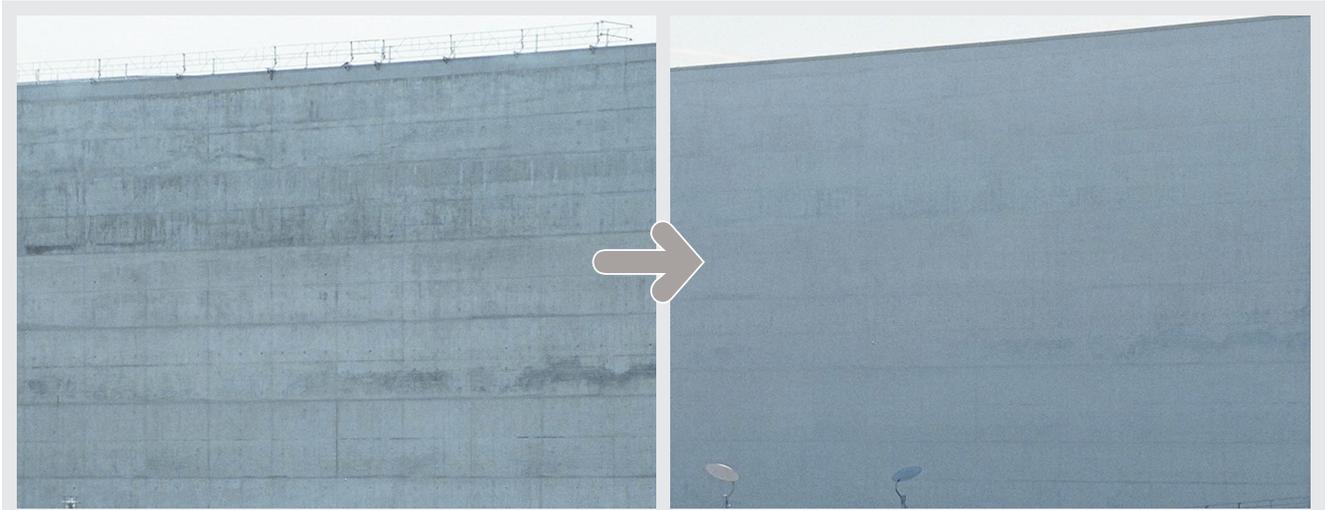
- Infrared radiation not reflected
- Very high surface temperature
- High indoor temperature

## With cold pigment

- Infrared radiation is reflected
- Controlled surface temperature
- Pleasant indoor temperature

ProtectGuard® Color Heat Control stains meet the demands of projects with darker colours while guaranteeing solar absorption levels in compliance with the regulations.

Thanks to the use of cold pigments, the majority of the dark shades in the ProtectGuard® Color range now comply with the requirements of the DTU 59.1 standard



Product code 9042

## Adhesion coloured primer : corrects colours defects before application of a concrete stain.

Primer Guard® Opacifier is coloured primer with two functions :

### 1. Correction of colour defects

Primer Guard® Opacifier allows you to hide and to strongly mitigate the aesthetic defects of the concrete and to even out the colour before applying the protection. Under an opaque layer, it will reinforce the colour of the stains ProtectGuard Color® (single and two-component) when full coverage is required.

### 2. Adhesion primer

Primer Guard® Opacifier is a product intended to be used as a primer before any application of Guard Industry two-components products on all types of concrete. It is essential to ensure that the finishing product holds well on the concrete. It facilitates adhesion by its ability to bond strongly to porous or low porous concrete.

Primer Guard® Opacifier leaves the support permeable to air and water vapour.

### Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

### Application :

- Facades
- Indoors
- Outdoors



### Available in :

- 42 standard shades
- All RAL and NCS colours
- Colour matching possible

## ADVANTAGES

- GUARANTEES PERFECT ADHERENCE OF TWO-COMPONENT PRODUCTS
- OPAQUE FINISH: CORRECTS THE APPEARANCE OF CONCRETE
- REINFORCES THE SHADE OF PROTECTGUARD® COLOR STAINS
- LETS THE MATERIAL BREATHE



Product code 9730

## Silicate mineral stain for aesthetics and protection of concrete.

ImperGuard® Color Silicate Stain is a silicate mineral impregnation with low opacity designed to colour and protect concrete.

ImperGuard® Color Silicate Stain is a system of two products (coloured base + silicate thinner) designed to colour concrete with a low opacity finish.

ImperGuard® Color Silicate Stain associated with ImperGuard® Color Silicate Thinner can be diluted depending on the desired level of transparency.

ImperGuard® Color Silicate Stain is a non film-forming product which perfectly respects the mineral aspect of the concrete.

ImperGuard® Color Silicate Stain provides lasting protection against the penetration of water and thus limits the harmful effects of humidity. It also has anti-dust properties. It hardens the surface of concrete to make it less fragile and less dusty.

The system ImperGuard® Color Silicate Stain complies with the AFNOR NFT 36-005 standard: Family I class I b.

### ADVANTAGES

- WATER REPELLENT
- COLOURED IMPREGNATION STAIN
- 10% TO 30% OPACITY
- HIGH UV RESISTANCE

Ideal for the protection of :

- All types of standard concretes
- GRC

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- All RAL and NCS colours

BEADING EFFECT WATER



COLOUR LASTING

25 YEARS

80% BIODEGRADABLE





Product code 9740

## Solid mineral stain for aesthetics and protection of concrete.

ImperGuard® Color Mineral Stain is a mineral impregnation stain designed to colour and protect concrete.

ImperGuard® Color Mineral Stain is a single-component stain that does not require the application of a uniforming primer to obtain an opaque mineral impregnation to color exterior or interior concrete facades. This stain gives a new aesthetic dimension to the works. It tints, embellishes or evens out the appearance of concrete while preserving its skin and minerality.

ImperGuard® Color Mineral Stain is a non-film-forming product which perfectly respects the natural mineral aspect of concrete. In addition, the backing remains permeable to air and water vapor.

ImperGuard® Color Mineral Stain has a water-repellent property. It provides lasting protection against the penetration of water and thus limits the harmful effects of humidity: infiltration, acid rain, erosion, freeze / thaw cycle, formation of mosses and lichens, appearance of efflorescence or saltpetre...

### ADVANTAGES

- WATER REPELLENT
- COLOURED IMPREGNATION STAIN
- 100% OPACITY
- HIGH UV RESISTANCE

Ideal for the protection of :

- All types of standard concretes
- GRC

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- All RAL and NCS colours

BEADING EFFECT WATER



COLOUR LASTING

25 YEARS

80% BIODEGRADABLE





Product code 9121

## Coloured stain : embellishes & protects GRP against water, staining and graffiti.

ProtectGuard® Color Special GRP is a new-generation product for the protection and decoration of GRP materials.

ProtectGuard® Color Special GRP is a two-component product, that colours whilst providing to GRP lasting protection against water, grease, stains.

ProtectGuard® Color Special GRP also offers permanent anti-graffiti protection that resists dozens of cleanings.

### ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- ANTI-GRAFFITI PROTECTION
- 100% OPACITY COLOURED STAIN
- ABRASION AND SCRATCH RESISTANT
- HIGH UV RESISTANCE
- EXISTS IN FLAT / GLOSSY



**TESTED & CERTIFIED AGAINST FIRE**  
as per ASTM E84 with Class A result  
Refer to [www.tbwcert.com](http://www.tbwcert.com) for validity and full documentation

Ideal for the protection of :

- GRP

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- All RAL and NCS colours
- Colour matching possible

BEADING EFFECT  
WATER + OIL



ANTI-GRAFFITI



80%  
BIODEGRADABLE



COLOUR  
LASTING



# Standard colour chart

ProtectGuard® Color products comprise 42 standard colours. A standard colour possesses an opacity index of 100%. Guard Industry is able to adjust these colours and offer a greater or lesser degree of opacity without altering the performance. A colour with a low opacity index will have less covering power, in which case the initial colour of the substrate will have a greater interaction with the final colour. This chart is printed onto a grey background simulating a standard grey concrete. These colours are just examples of our know-how, we are able to create any opacity and custom-made colour.

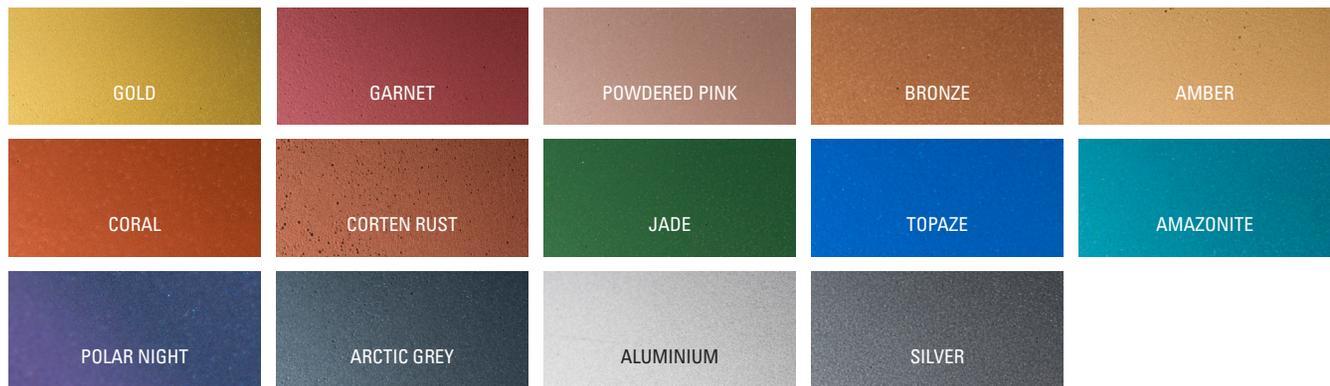


# High Jewellery colour chart

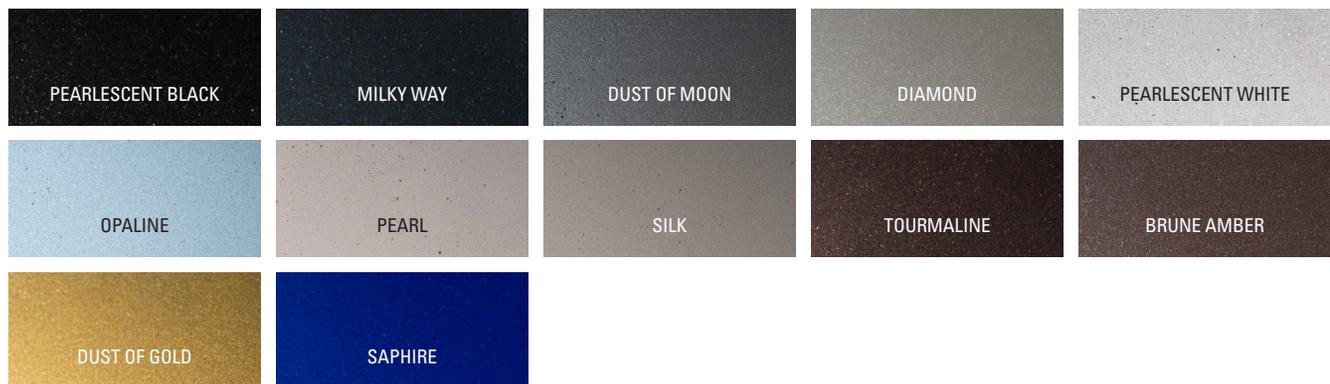
ProtectGuard® Color High Jewellery comprises 32 original colours with several effects: metallic, pearlescent, iridescent or luminescent. ProtectGuard® Color High Jewellery allows artistic prowess: play with multiple finishes, give concrete a reflection that changes depending on the light and where the onlooker's gaze falls.

This chart is printed onto a grey background simulating a standard grey concrete. These colours are just examples of our know-how, we are able to create any custom-made colour. In order to give the maximum impression of depth, the High Jewellery colour chart is only available in 100% opacity.

**METALLIC RANGE** : metallic finish for a very modern and brushed finish.



**SPARKLE RANGE** : colours with flakes to give your projects a shiny and shimmering finish.



**IRIDESCENT RANGE** : iridescent finish giving a reflection that changes depending on the light and where the onlooker's gaze falls.



**LUMINO RANGE** : a clear finish that absorbs day light and adorns concrete with luminous radiance at night.

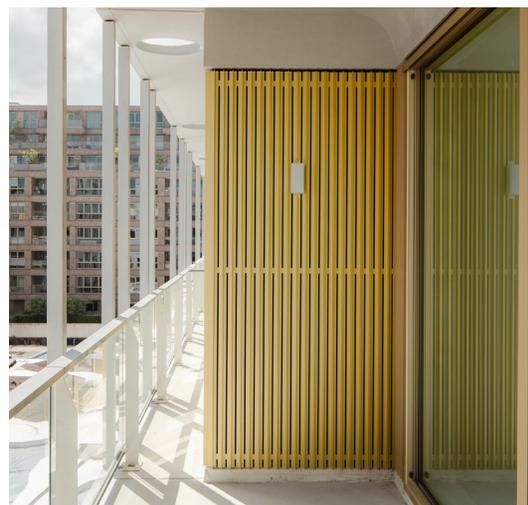
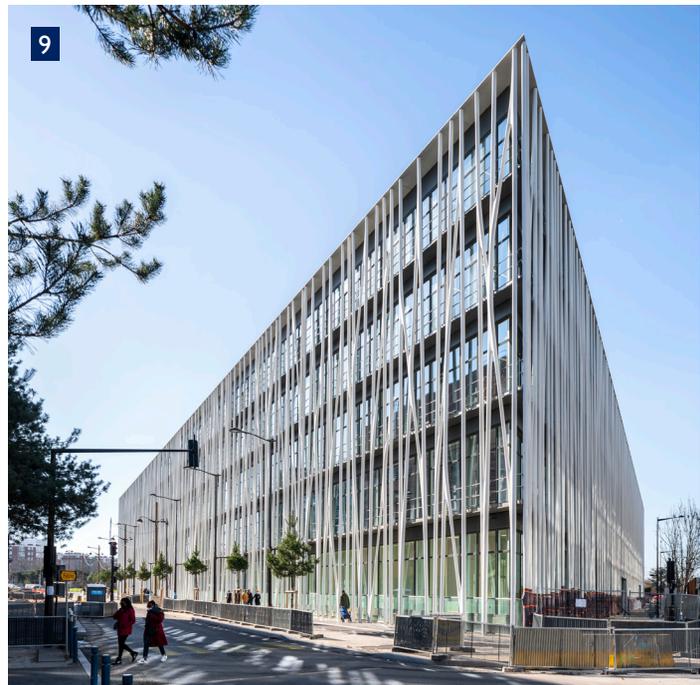


# PROJECT REFERENCES



1 Yangshan stadium (Shaoxing, China)  
2 One Thousand Museum (Miami, USA)  
3 Marseillaise tower (Marseille, France)

4 W Palm Hotel (Dubai, UAE)  
5 Vente-privée head office (Saint-Denis, France)



7 Qatar National Museum (Doha, Qatar)  
8 Luma foundation (Arles, France)

9 Manufacture de la Mode Chanel (Paris, France)  
10 The Line (Amsterdam, Netherlands)

[www.guardindustry.com](http://www.guardindustry.com)



**GUARD INDUSTRY**

695B rue de l'Hers - ZA de la Masquere

31750 Escalquens - France

Tél: +33 (0)1 55 86 17 60

E-mail: [info@guardindustrie.com](mailto:info@guardindustrie.com)

