



INSPIRATIONS

FEA
CA
DES

Exceptional glazes for architectural projects



Summary

OUR COMPANY

We support you in your most ambitious projects

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COLOURED CONCRETE STAINS

A complete range dedicated to the æsthetics of concrete

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A complete range of colourless sealers for concrete and stone

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For 30 years, we have been supporting your projects

Guard Industrie is a French company specializing in the research, development and manufacture of cosmetics for materials.

With 30 years of expertise in cleaning, protecting and embellishing materials, we support all of our clients on a daily basis on emblematic but also more confidential projects.

Our expertise is recognized worldwide and our products are used over several million square meters each year.

Our skills have won us contracts at famous sites such as Tiananmen square in China, Notre Dame Cathedral in Paris, the Colonnades of St Peter's Basilica in Rome, Qatar National Museum or the Marseillaise tower.

KEY NUMBERS

30

years of experience in the care of building materials

02

production sites in France and a cutting-edge laboratory

60

countries where our products are sold

10

years of guarantee by AXA for our protection products

04

ranges of products to clean, protect and embellish materials

Guard Industrie is a French team of fifty people and an international network in more than 60 countries. Today, our employees support projects all over the world.

All the skills are gathered within Guard Industrie in order to provide you with the best possible support from the design of the product to its implementation on site.

We support you worldwide



A team at
the service
of your ideas



We embellish and make your buildings last longer

You have nurtured your project and designed it to make its mark on the history of architecture. It deserves an exceptional finish that will enhance it and preserve its beauty down the years.

For more than 30 years, we have been supporting architects with our expertise, providing them with innovative and high-performance solutions for the protection and aesthetics of their designs.

Our stains are the finishing touch that makes the difference

Whether colourless or coloured, our finishing stains aim to enhance the value of pieces of architecture and ensure their durability.

True cosmetics for building exteriors, Guard Industrie stains are the final touch that makes the difference, that enhances a piece of architecture and makes it unique.





Barnabé Wayser,
Guard Industrie's CEO

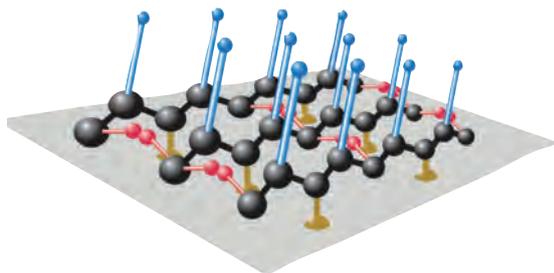
« What is the common point between St. Peter's Basilica in Rome, Notre-Dame de Paris cathedral, the Petit Palais, Moscow university, Tian An Men square, Westminster streets, Qatar National Museum, the Marseillaise tower, Paris Orthodox Church, Puné temple, Hanoi airport and soon your building?

Look no further, Guard Industrie'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 Industrie is the aesthetic solution for construction materials, the finishing touch that makes the difference! »

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
- Hutcher & 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



For 30 years, Guard Industrie 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 Industrie continues to innovate and surprise the construction industry.

Efficiency of our products have 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.

A woman with her hair in a bun, wearing a pink lab coat and yellow gloves, is working in a laboratory. She is focused on a task at a lab bench. In the foreground, there is a white analytical balance scale with a metal sieve on top. The background is filled with various laboratory equipment, including bottles, beakers, and shelves. A large window is visible in the upper left, letting in natural light.

We deliver a ten year quality guarantee

Our expertise in oil and water repellency allows us to provide a ten-year worldwide guarantee* (contract subscribed with AXA Company).

This guarantee is valid for ProtectGuard® Color applications made by an approved building professional.

(*) Except USA and Canada



Guard Industrie, a green commitment for over 30 years

In all human activities, the time has come for a green economy. Especially in the construction industry since constructing a building has an impact on the environment at all stages (energy consumption, waste generation, etc.). Moreover, the products used for its production, maintenance or cleaning are still too often aggressive and harmful to humans and nature. From our beginnings we have always been committed to sustainable development. Our products are developed to rigorous specifications in terms of environmental impact and safety.

At Guard Industrie, 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 therefore:

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

Eco-design to limit the environmental impact

LEED

ProtectGuard®, ProtectGuard® HD, ProtectGuard® WF, ProtectGuard® Color and ProtectGuard® DTOX products got the LEED certification regarding their VOC rate. LEED (Leadership in Energy and Environmental Design) was developed to encourage the construction of energy and resource-efficient buildings that are healthy to live in. LEED is the most widely used green building rating system in the world.



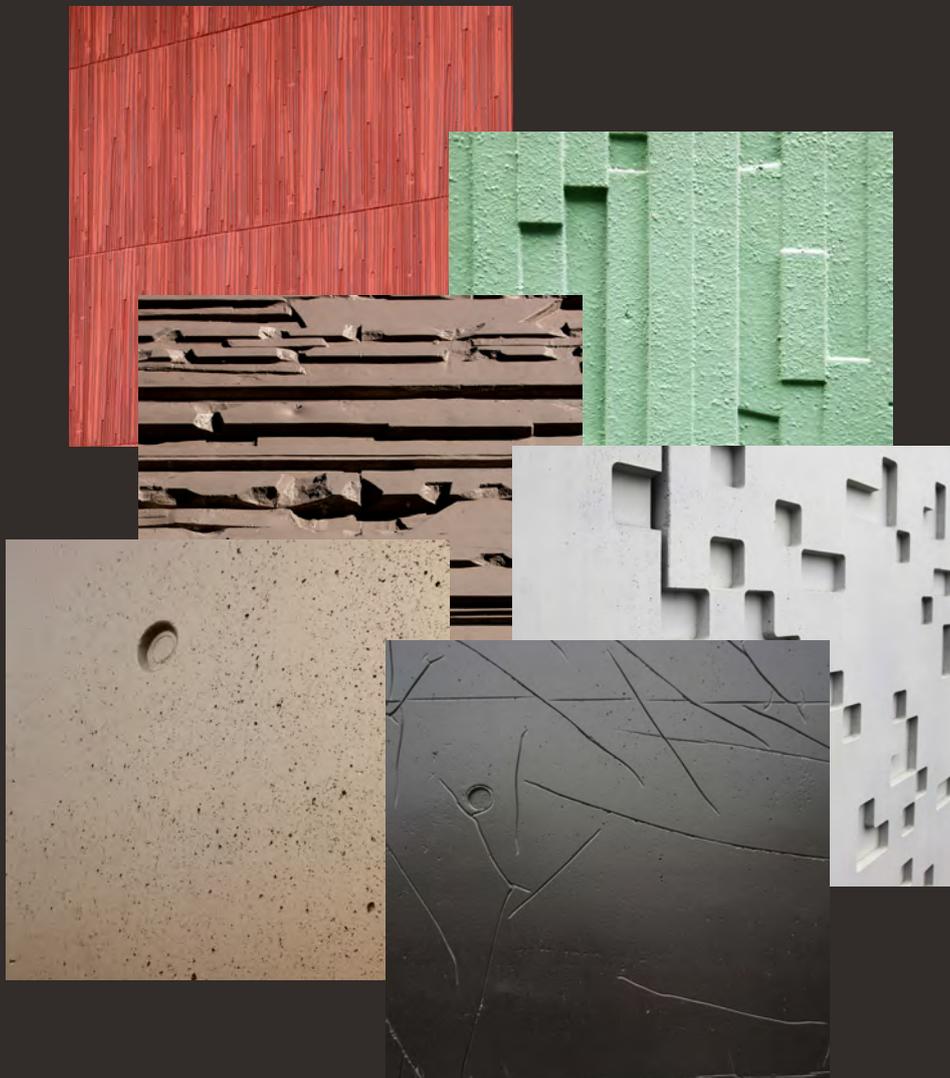


Environmental
commitment:
a will, a necessity, a
responsibility



A range of concrete stains that combine protective properties with inorganic pigments for tinted protection of concrete.

Embellish and protect concrete



A complete range dedicated to the aesthetics of concrete

Drawing from our 30-years experience in concrete aesthetics and protection, we have developed ProtectGuard® Color, a range of concrete stains that combine protective properties with inorganic pigments for tinted protection of materials.

ProtectGuard® Color products colour the concrete's skin whilst at the same time retaining the mineral look of the treated surface. They also protect against water, oil and even graffiti to preserve the beauty of the structure.



Single component
water and oil repellent
42 standard shades



ANTIGRAFFITI

Two components water and
oil repellent + anti-graffiti
42 standard shades



HIGH JEWELLERY

Single component
water and oil repellent
32 high jewellery shades

Protect concrete

ProtectGuard® color stains protect from water, oil and even graffiti.

Treated structures become impermeable and repel water. Our concrete stains thus limit the harmful effects of moisture (erosion, efflorescence or surface salts, micro-organisms, freeze-thaw cycles...)

They also stop greasy stains penetrating and retard the return of grime. Buildings are easier to maintain.

- Preserves concrete's mineral character
- Allows the substrate to breathe
- Protect against water and oil
- Protects against stains and pollution
- Anti-graffiti properties



Beading effect on concrete treated with ProtectGuard® Color



Embellish concrete

ProtectGuard® Color stains give a new aesthetic dimension to projects.

They are decoration products, which colour whilst at the same time retaining the mineral look of the treated surface. They are also used to homogenize the aesthetics of concrete.

The extremely wide range of choices (colour, opacity, finish) makes it possible to obtain a unique and infinitely customisable look.

Tailor-made solutions for a unique finish

With ProtectGuard® Color products, creativity is without limits. **You choose the colour, the finish and the opacity and obtain a unique and infinitely customisable finish.**

ProtectGuard® Color products comprise 42 standard colours and 32 high jewellery colours available in many finishes : matt, glossy, metallic, iridescent, pearlescent or luminescent.

A standard colour is available in three opacities: 10%, 50% or 100%.

Guard Industrie helps clients and applicators to define the best colour according to the project. Depending on the particular requirements of the client or site, Guard Industrie is able to create any opacity and custom-made colour.



We are able to customise ProtectGuard® Color's colour and opacity to obtain a unique finish

See through the concrete

ProtectGuard® Color stains are semi-transparent: they enhance concrete by allowing its surface and its mineral look to be seen.

The end colour will always depend on the colour of the concrete and that of ProtectGuard® Color. ProtectGuard® Color products are semi-transparent, therefore a colour will have a different look on a grey or a white concrete.

A colour with a low opacity index has less covering power; in which case the initial colour of the concrete has a greater interaction with the final colour. On the contrary, with a high opacity index, the initial colour of the concrete has less interaction with the final colour.



Choosing the right opacity



Concrete appearance and desired finish

To choose ProtectGuard® Color opacity, it is necessary to take into account the concrete's initial appearance and the desired finish.

Depending on the opacity, it is possible to obtain an opaque or semi transparent finish to showcase the concrete in its rough state. As a result, a homogeneous concrete should be treated differently to a concrete with colour disparities.

Application tool

The application tool will also influence the opacity choice. Our glazes can be applied with HVLP spray equipment or a roller.

HVLP application provides excellent transfer efficiency without material loss. It avoids excessive thickness and streaks. Any opacity can be applied with HVLP equipment.

Roller application is also possible. This technique is easier but is only used for 100% opacity and non-textured smooth surfaces.

On-site or factory application

Guard Industrie works closely with architects and concrete manufacturers to develop the solutions best adapted to their requirements. Our concrete stains can be applied directly on site. In this case, we offer a network of approved applicators to ensure optimal application. We have also established partnerships with the largest precast concrete companies for direct application in the factory.

Emmanuel Combarel and Dominique Marrec, founders of ECDM agency



«We use ProtectGuard® Color concrete stain to assert the expression of the casting»

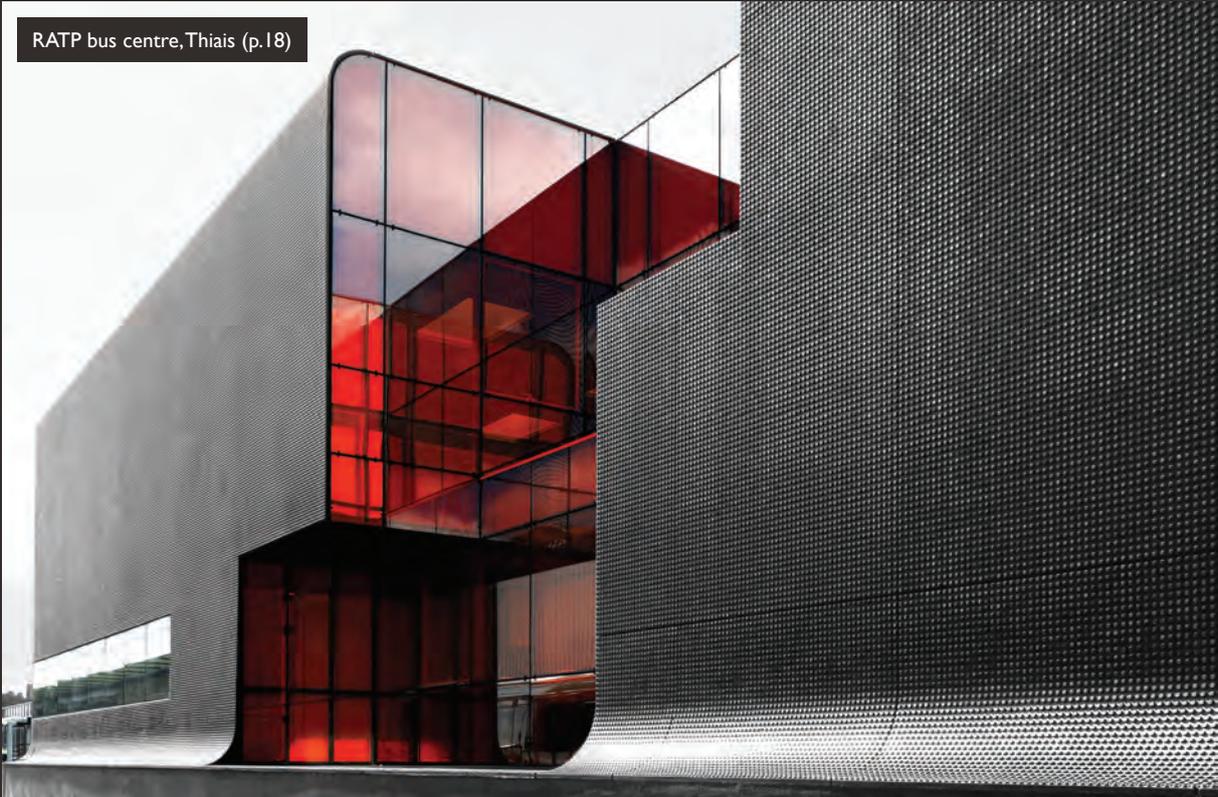
Emmanuel Combarel and Dominique Marrec, ECDM agency

«Originally, there's plasticity, the ability of concrete to mould itself docilely. Mass, weight, inertia are contradicted by the flexibility of a material that is moulded. The matrix determines the material, its shape, its grain, its appearance.

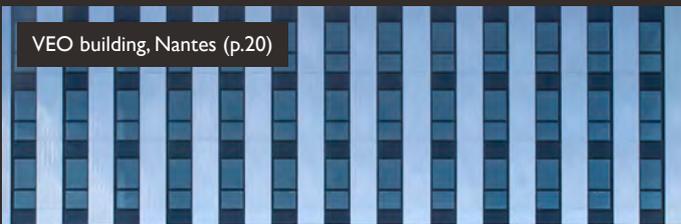
Plasticity is a specific characteristic of concrete. It is from this formal possibility that our agency often uses concrete as a façade element.

Plasticity is revealed by the choice of concrete, panels, curing or finishing products. We use ProtectGuard® Color stain to assert the expression of the casting.

The stain reveals the suppleness of the support by expressing, depending on the project, the dense homogeneity of a primitive and anechoic mass in Thiais, the depth of the material inherent to the concrete of the Saclay mesh, with the organic softness of the skin of the Budin day care centre. Leaving a protective film, the stain becomes the envelope, the container»



RATP bus centre, Thiais (p.18)



VEO building, Nantes (p.20)



Budin day care centre, Paris (p.22)



EDF campus, Saclay (p.24)

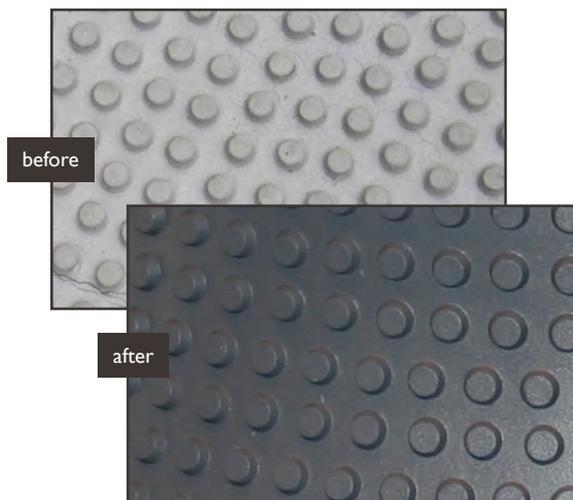




© Benoit Fougeirol

A studded building for Paris transport company

ECDM agency was asked by the RATP, the body that runs public transport for the Paris region, to design a new centre for bus drivers and the office team.



Located in Thiais, this imposing monolithic building is completely covered in studded Ductal®. To equalise the colour across the 2 450 m² of panels, ECDM agency chose ProtectGuard® Color AntiGraffiti in an anthracite grey colour.

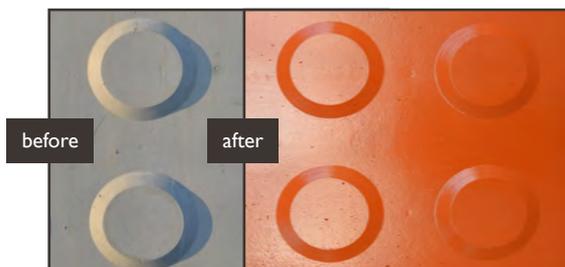
- Project: Office building for RATP bus centre, Thiais
- Architect: ECDM (E. Combarel, D. Marrec)
- Material: Ductal®
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: Anthracite, 100% opacity
- Precast concrete company: Betsinor



© Benoit Fougeirol

A basketball finish for a building in Nantes

Situated in the heart of the new Euronantes district, the highly creative architecture of the VEO complex designed by ECDM agency evokes the outer skin of a basketball.



This complex offers an unparalleled perspective: a chiselled silhouette in the form of two office towers linked by a gym with a hammered façade reminiscent of a basketball.

For the finish of this bold project Guard Industrie was commissioned to custom-make an orange shade exactly recreating the colour of a basketball, giving the whole building an athletic feel. To contrast, the facades of the towers were treated with ProtectGuard® Color AntiGraffiti Anthracite.

- Project: VEO building, Nantes
- Architect: ECDM (E. Combarel, D. Marrec)
- Material: GRC
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: RAL 2010 and Anthracite, 100% opacity
- Application: CHP



© Luc Boegly

A baby-skin effect for a nursery

Located in the 18th arrondissement of Paris, the Budin day care centre is a low-energy building designed by the ECDM agency to host toddlers.

The building is surprising with its wavy façade that plays with the light. Bright reflections of the protruding parts respond to the shadows of the more recessed areas.

The architects thus wanted to totally break away from the very heterogeneous environment of the surrounding buildings and insert curves, roundness and softness at the corner of these streets in the north of Paris.

The finishing of the exterior façade in Ductal® prefabricated panels was entrusted to Guard Industrie for its unique expertise in concrete protection and embellishment.

To colour and protect the structure, the architect chose ProtectGuard® Color AntiGraffiti Basic White in 100% opacity for an immaculate white finish. The glossy finish and final sanding increases the «glossy» effect and makes the façade as smooth as a baby's skin to capture maximum luminosity.

- Project: Budin day care centre, Paris
- Architect: ECDM (E. Combarel, D. Marrec)
- Material: Ductal®
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: Basic White, 100% opacity
- Precast concrete company: Bonna Sabla and Il Cantiere
- Application: PSS Interservice



© Jérémy Bernier

Custom-made shades for the French Silicon Valley

Built around some of France's leading scientific institutions, the Saclay campus will be a focal point for intellectual and industrial creativity.



In the heart of this campus, EDF's training centre was built by the architecture agency ECDM. 1 000 litres of ProtectGuard® Color AntiGraffiti were applied to the building to protect and decorate the concrete facade.

Two custom-made colours were created by Guard Industrie for this stunning project: a grey brown and a light grey.

- Project: EDF campus, Saclay
- Architect: ECDM (E. Combarel, D. Marrec)
- Material: UHPC
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: RAL 8019 70% opacity and RAL 7035 100% opacity
- Precast concrete company: Betsinor

Meeting with Jean Nouvel and his agency AJN



Jean Nouvel,
Architect and founder of AJN agency
© Gaston Bergeret

A renowned architect since 1970, Jean Nouvel is at the head of several architectural agencies, including the Ateliers Jean Nouvel (AJN) agency.

Its committed stance to introduce architecture in the urban context and the constantly renewed originality of its projects throughout the world have contributed to forging its international image. His work has been recognised through numerous awards in France and abroad.

The Ateliers Jean Nouvel agency benefits from the experience acquired by Jean Nouvel.

Today, its multicultural teams, made up of 130 professionals from more than twenty countries, are carrying out projects all over the world. All the skills are brought together in the agency: architecture, town planning, landscaping, graphic design, industrial design, interior design, but also the creation of images and models.

Guard Industrie has had the opportunity to collaborate with Ateliers Jean Nouvel on two of its major projects: the National Museum of Qatar and the La Marseillaise Tower.

For these two buildings, the AJN teams called upon the expertise of Guard Industrie and its ProtectGuard® Color concrete stain to colour and protect the concrete.

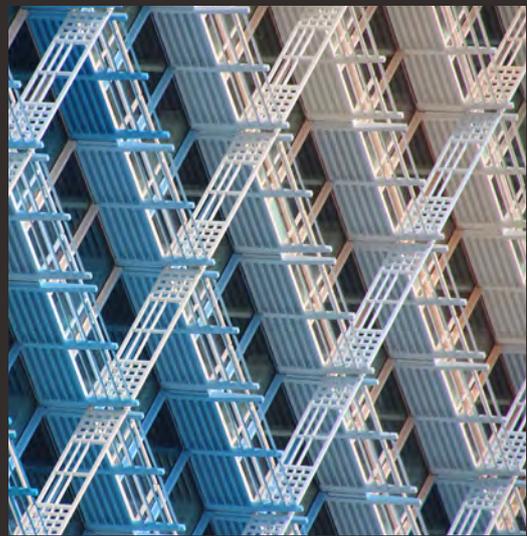
For these projects, Guard Industrie has developed customised colours to best meet the architect's expectations: 26 shades of blue, white and red to dress the Marseillaise tower and a beige colour to match the initial colour of the UHPC panels of the Qatar National Museum.

Two major projects in collaboration with AJN

Qatar National Museum, Doha (p.28)



Marseillaise tower, Marseille (p.32)



COLOURED CONCRETE STAINS



© Iwan Baan - Architect Ateliers Jean Nouvel

Custom-made beige for Qatar sand rose

The National Museum of Qatar designed by Ateliers Jean Nouvel (AJN) sprang up in the desert of Doha in 2019. This project's appeal lies in its distinctive architecture in the shape of desert rose and its customised beige shade.

This museum resembles a desert rose, symbolically evoking the desert of Qatar. The building envelope consists of 539 interlocking concrete discs laid randomly. These concrete petals are of different diameters and a variety of curvatures. In total, almost 80 000 sand-coloured Ultra-High Performance Fibre Concrete (UHPFC) panels form this rose.

AJN wanted to protect the building against water and dirt and give the concrete a beige colour reminiscent of desert sand.

They called upon the expertise of Guard Industrie and its concrete stain ProtectGuard® Color. For this project, Guard Industrie developed a beige shade to best match the colour of the panels.

- Project: Qatar National Museum, Doha
- Architect: Ateliers Jean Nouvel
- Material: UHPC
- Product used: ProtectGuard® Color
- Colour: S 1505 Y40R, 100% opacity
- Precast concrete company: Fibrex
- Application: AD2France

Michel Sfeir, Project Director of Qatar National Museum



«The collaboration with Guard Industrie has been a success. The service as well as the products manufactured are of excellent quality»

Michel Sfeir, Project Director of Qatar National Museum, ASTAD Client representative

«The National Museum of Qatar was designed by worldrenowned architect Jean Nouvel, in the shape of a sand rose. Its exceptional, artistic, and technological architecture has been enhanced by a façade cladding of 80,000 pieces of Fiber reinforced concrete (FRC), sand-colored.

Guard Industrie has been an indispensable partner with proactive participation in the success of this project. Thanks to their cleaning product, Guard Remover Eco® Efflorescence & Cement, panels were cleaned of all dirt and stains produced during construction; This product, easy and quick to apply, not harmful to the environment, made it possible to prepare the façade for micro repairs.

Finally, the application of ProtectGuard® Color allowed to homogenize the small contrasts obtained as a result of the repairs, while keeping the mineral aspect of the panel. Hence its great interest.

This product also has the ability to protect the façade from dust allowing the façade cleaning and its maintenance easy by water jet.

The collaboration with Guard Industrie professionals has been a success. The service as well as the products manufactured are of excellent quality.»



© Iwan Baan - Architect Ateliers Jean Nouvel

Hafid Rakem, Ateliers Jean Nouvel, Project Manager for the Qatar National Museum

«The work of Guard Industrie has been considerable. They intervened at a crucial time during the construction period. The alteration and deterioration of the UHPC panels on the building's façades led us to think about solutions that could restore the image of this building.

After testing several different products available on the market, the solution provided by Guard Industrie, consisting of applying a protective stain on the façades without altering the base material, was the most appropriate. This method of application by infusion produced the image desired by the architect.

We are very satisfied with this collaboration. Because above all, any process, is a process of mutual collaboration.»



© Jérôme Cabanel - Client Constructa - Architect Ateliers Jean Nouvel

26 custom-made shades for the Marseillaise tower

La Marseillaise, designed by the firm Ateliers Jean Nouvel is surprising with its modern design and 26 customised colours. At 135 metres high, it contributes to the development of the Marseille skyline.

Jean Nouvel has designed a tower with blurred boundaries, which evaporates into the sky and melts into the landscape. The building stands out for its lightness, transparency and customised colours.

The tower is clad with a mesh consisting of 3 818 UHPC sun screens and sills. All these elements have been stained in tricolour shades of blue-white-red, reminiscent of the red of the roofs of Marseille, the blue of the Mediterranean and the white of the limestone hills. This colour gradation thus offers a different perception depending on distance and light.

For this colossal project, Ateliers Jean Nouvel called upon Guard Industrie who developed 26 customised colours of its ProtectGuard® Color AntiGraffiti concrete stain.

- Project: La Marseillaise tower, Marseille
- Architect: Ateliers Jean Nouvel
- Material: Ductal®
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: 26 custom-made colours, 100% opacity
- Precast concrete company: Méditerranée Préfabrication
- Application: Lassarat

Nathalie Sasso, Project Manager at Ateliers Jean Nouvel

«Guard Industrie has delivered complete satisfaction on the Marseillaise site. One of the special features of this tower by Jean Nouvel is its colours. Blue, white and red in 26 shades (NCS reference) on UHPC (Ultra High Performance concrete) elements.

Each element can have up to 6 different colours, each piece is unique. On the scale of the tower, this represents a formidable colourful puzzle. The success of the painting process, in particular the application of the stain, was a crucial issue for this project.

Guard Industrie's support from the design to the realisation phases was remarkable and very professional. Guard Industrie has been attentive to our aesthetic and technical requirements, producing a series of samples and proposing solutions to various limitations, including the development of a specific adhesion primer to check the resistance of paint in an aggressive marine environment.

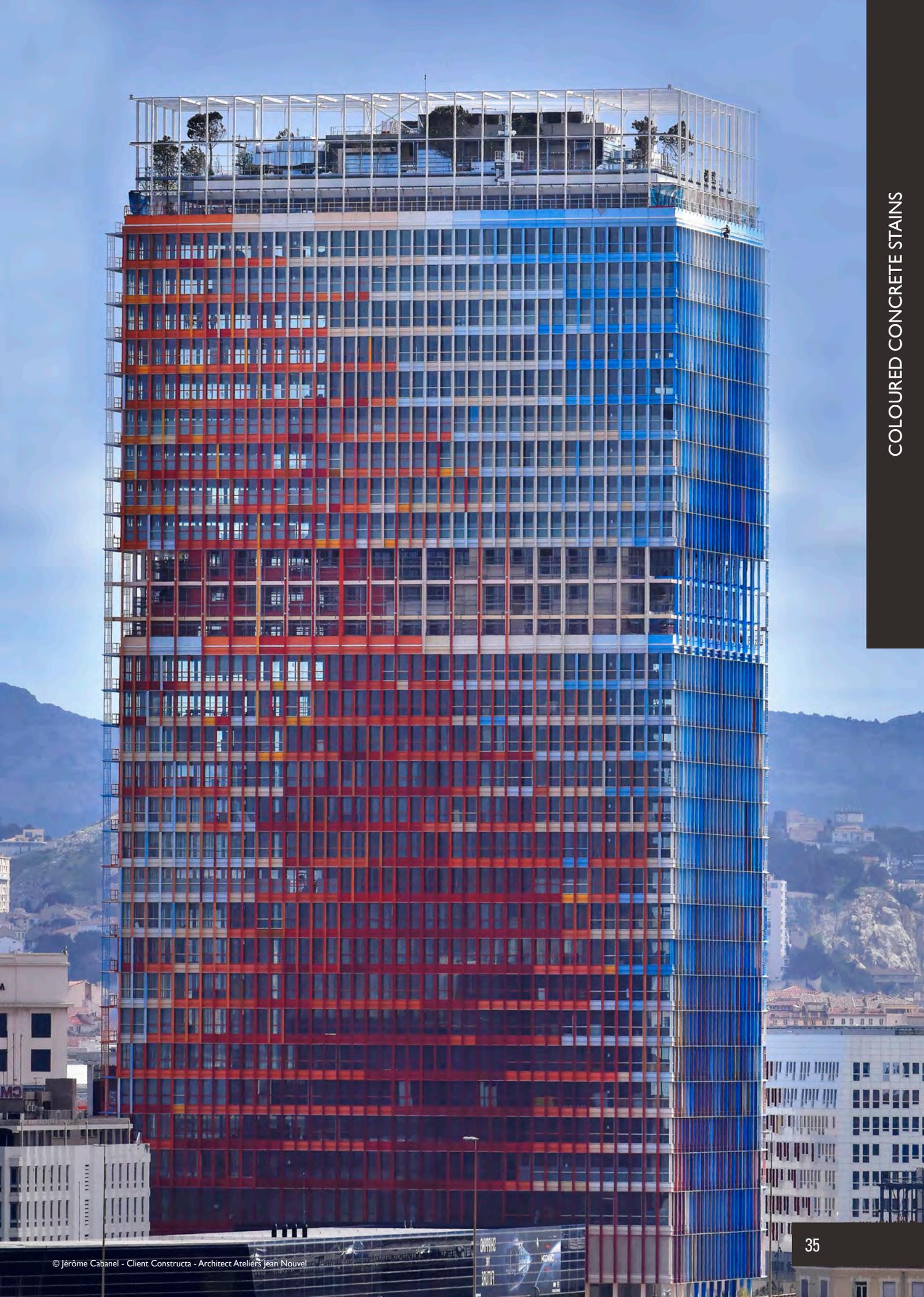
The follow-up on the application procedure of the products during the construction project also shows the commitment of their team. I recommend Guard Industrie's products and would be happy to work with them in a future project. This collaboration has been very positive.»



© Michèle Clavel - Client Constructa - Architect Ateliers Jean Nouvel

«Guard Industrie's support from the design to the realisation phases was remarkable and very professional»

Nathalie Sasso, AJN agency



Jean Bocabeille, architect partner at BFV agency



«Concrete poured on site, and then coated with a water-repellent, coloured stain, has become a viable alternative to plaster»

Jean Bocabeille, BFV agency

«At BFV Architects, we like construction, constructive systems, construction materials, their implementation... We love to explore the new possibilities offered to us by our partners, whether they are contractors or the manufacturers working to develop these materials.

We have been working with Guard Industrie for a few years now. In the beginning, we acknowledged that, mainly for housing projects, the budget constraints of these programmes would inevitably lead to coating all or part of the façades in plaster, and what is more, mediocre-quality plaster.

We have known for a long time that plaster only gives you one guarantee: premature ageing! In today's suburban context, with an environment that is already degraded with a lot of pollution, plaster ages poorly! Plaster façades, whatever their original colour or tone, will quite quickly become covered with a grey dust. This gives a generic grey tone to suburban buildings and enhances the morose atmosphere of these areas that are already so profoundly impacted by an unavoidably banal nature.

Concrete poured on site, and then coated with a water-repellent, coloured stain, has become a viable alternative to plaster.

For a slightly higher cost, we can recommend raw concrete façades, taking care to divide the concrete up with horizontal or vertical joints in order to avoid fissures and we choose stains that cover more or less of the surface depending on the appearance of the concrete.

We've found a large range of expression among metallic shades and effects of volume by alternating gloss or matt finishes, which allows us to play with a certain ambiguity in the material.

Some of our projects appear to have a metallic coating, others seem to have been made from masscoloured concrete. The stains not only have an aesthetic quality to emphasise, but also its water- and oil-repellent nature enables it to resist grime, directly linked to continuous pollution in the air. Water slides off the surface of the protected concrete, also removing any polluted dust. The building then resists ageing and keeps its initial allure.»

Housing, Bobigny (p.38)



Housing, Nanterre (p.40)



Housing, Aubervilliers (p.42)



Student residence, Aubervilliers (p.44)





© Christophe Demonfaucon - Promoteur: Bouygues Immobilier

When concrete buildings turn into metal

In Bobigny, near Paris, an astonishing 60-unit residential complex is being built. What makes it so peculiar? The use of two materials that complement each other: metal and raw concrete stained in metallic colours.

The complex consists of five buildings, each playing on an alternation of two materials: stained raw concrete and copper-plated metal panels.

These materials are treated in tone-on-tone colours with metallic shades. The use of the five metallic colours gives each of the buildings a character of its own.

For this project, the architectural firm BFV Architectes (Jean Bocabeille) called upon Guard Industrie and its ProtectGuard® Color High Jewellery.

With this concrete stain, the architect was able to experiment with multiple finishes and give the concrete changing reflections depending on the light and the position from which the building is seen. The use of metallic shades gives the project a firmly contemporary identity.

- Project: Housing, Bobigny
- Architect: BFV Architectes (Jean Bocabeille)
- Material: Concrete
- Product used: ProtectGuard® Color High Jewellery
- Colour: Gold, silver, bronze, corten and silk, 100% opacity
- Application: AD2France



© Frédéric Delangle

- Project: Housing, Nanterre
- Architect: BFV Architectes (Jean Bocabeille)
- Material: Concrete
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: RAL 9006, 100% opacity
- Application: Samed Façade



© Frédéric Delangle

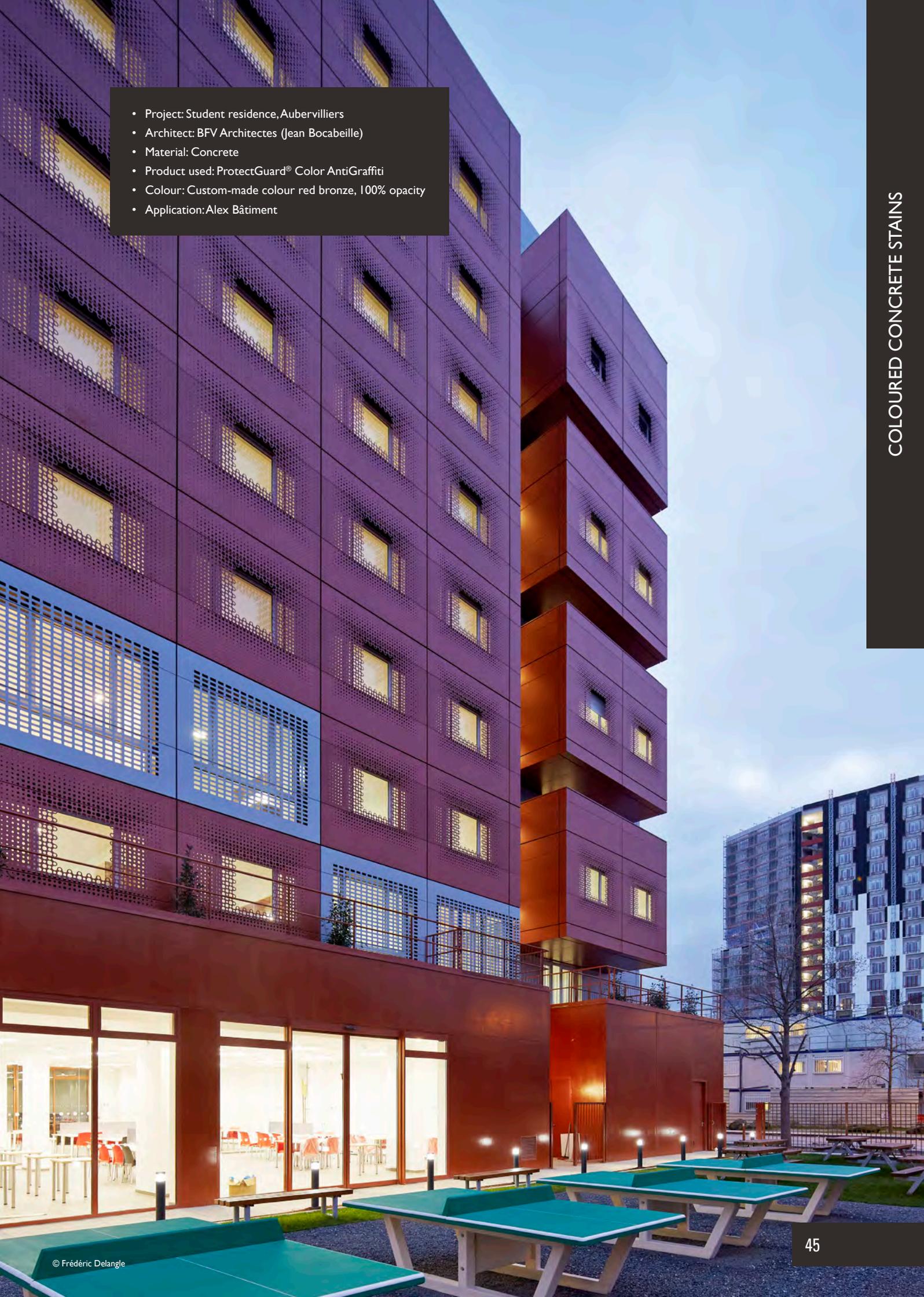
- Project: Housing, Aubervilliers
- Architect: BFV Architectes (Jean Bocabeille)
- Material: Concrete
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: RAL 8009 and RAL 9016, 100% opacity
- Application: DSA





© Frédéric Delangle

- Project: Student residence, Aubervilliers
- Architect: BFV Architectes (Jean Bocabeille)
- Material: Concrete
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: Custom-made colour red bronze, 100% opacity
- Application: Alex Bâtiment



J. Maxfield Lam, Director of GRC Thailand

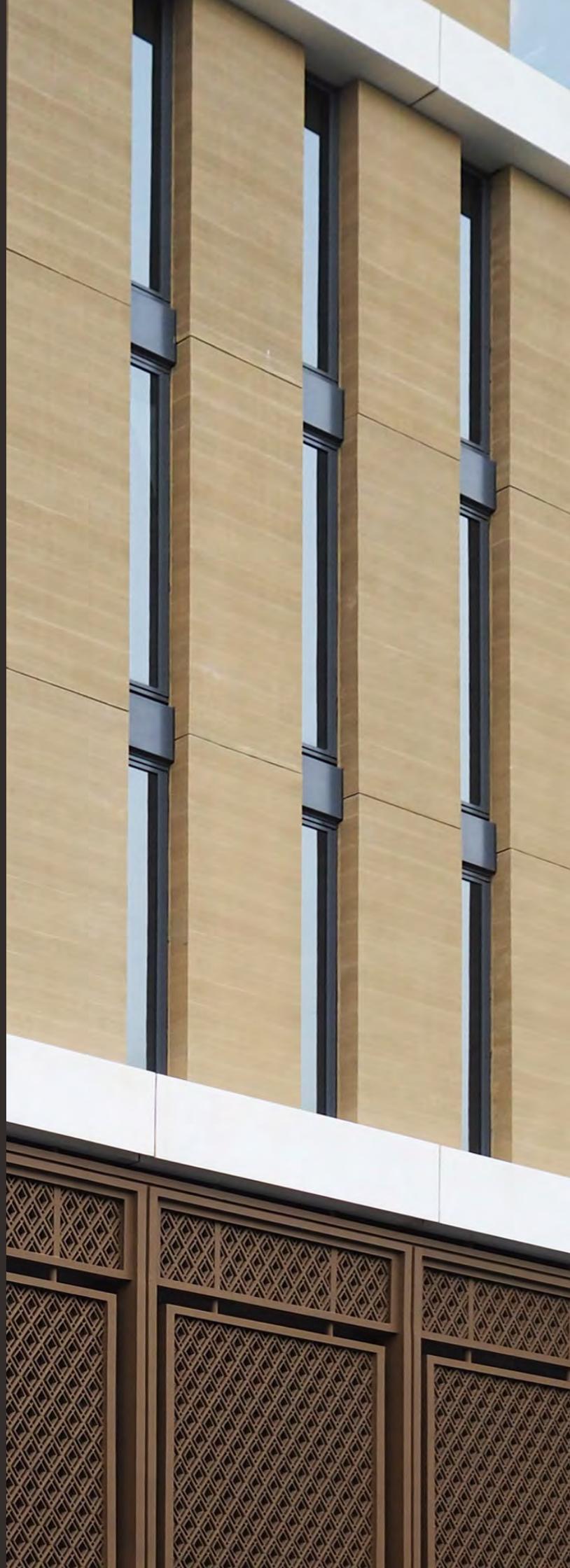
«A clear, durable and easy to apply water resistance coating is a dream for pre-cast glass-fiber reinforced concrete (GFRC) manufacturer like us, GRC (Thailand) and Guard Industrie provide the solution.

In the past several years, we have been using different products from Guard Industrie, especially for cleaning & protection. Our customers highly appreciate the quality and efficiency of the products.

The additional protection not only reduces moisture expansion of GFRC, it also brings more revenue to the company. We are very satisfied with Guard Industrie to work as a partner.»

«Our customers highly
appreciate the quality and
efficiency of Guard Industrie's
products»

J. Maxfield Lam, Director of GRC Thailand



- Project: Four seasons residence, Bangkok (Thailand)
- Architect: Hamilton international
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: Custom-made colour, 100% opacity
- Precast concrete company: GRC Thailand



Daniel David, Director of Méditerranée Préfabrication



«For several years Guard Industrie and Méditerranée Préfabrication have been working in a strong partnership. Our expectations on UHPC operations, whether technical or aesthetic, are always met by Guard Industrie's expertise. From the search for the right protection to the realisation of a four-colour process to meet the requirements of our architects, Guard Industrie's teams always succeed in meeting our challenges and this is thanks to their skills and years of experience.

The partnership between Guard Industrie and Méditerranée Préfabrication is a win-win partnership.»

«Guard Industrie's teams always succeed in meeting our challenges and this is thanks to their skills and years of experience»

Daniel David, Director of Méditerranée Préfabrication



UHPC mesh for Chanel «Fashion Manufacture» designed by Rudy Ricciotti

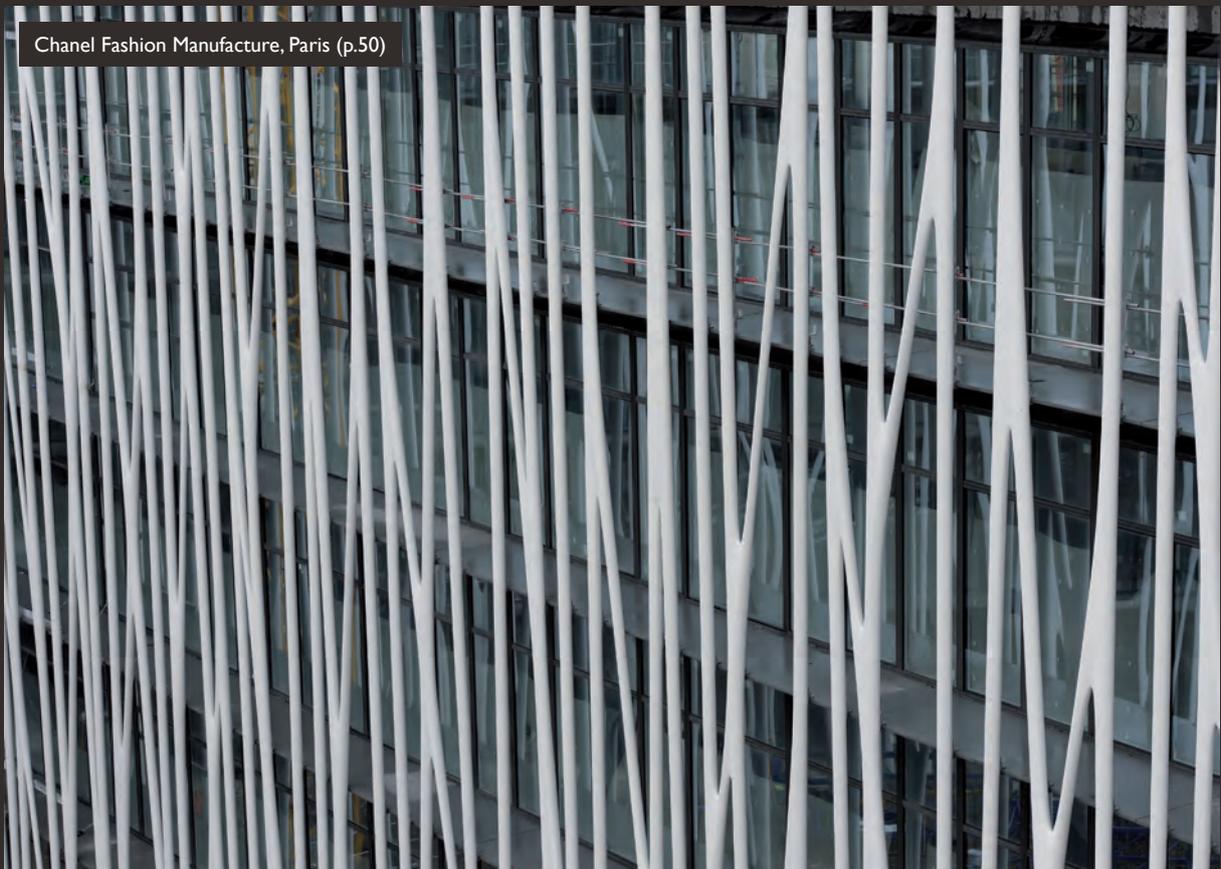
Marseillaise tower, Marseille (p.32)



Luma foundation, Arles (p.52)



Chanel Fashion Manufacture, Paris (p.50)





- Project: 19 M - Chanel Fashion Manufacture, Paris
- Architect: Rudy Ricciotti
- Material: UHPC
- Product used: ProtectGuard® Color
- Colour: Custom-made colour white and RAL 7010, 100% opacity
- Precast concrete company: Méditerranée Préfabrication



© Mylène Pinelli

- Project: Luma foundation, Arles
- Architect: Franck Gehry
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: Custom-made colour stone, 100% opacity
- Precast concrete company: Méditerranée Préfabrication

Anthony Delestre, AD2France's CEO



«We find solutions by combining customised products and by devising new application techniques»

Anthony Delestre, AD2France's CEO

«My company AD2France has been working jointly with Guard Industrie since 2012. This collaboration has led me to use their products on major projects both in France and abroad. I have also had the opportunity to pass on my knowledge and understanding of their products by training teams of applicators on worksites abroad.

Guard Industrie is attentive to my needs both within the sales department and through its technical support. Guard Industrie is also very reactive in the manufacturing and delivery of its products.

My long-standing close relationship with Guard Industrie allows me to better understand the problems of construction sites. We find solutions by combining customised products and by devising new application techniques.

This collaboration guarantees the high quality of the service, from the design of the product to its application on site.»

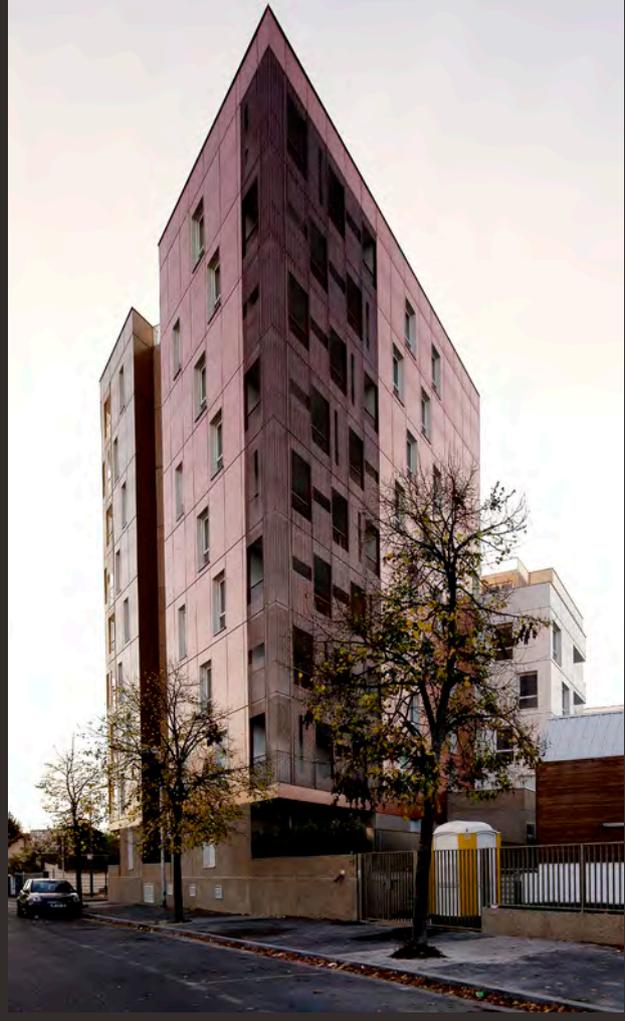


For 10 years, AD2France has been applying Guard Industrie's products on iconic projects both in France and abroad

Qatar National Museum, Doha (p.28)



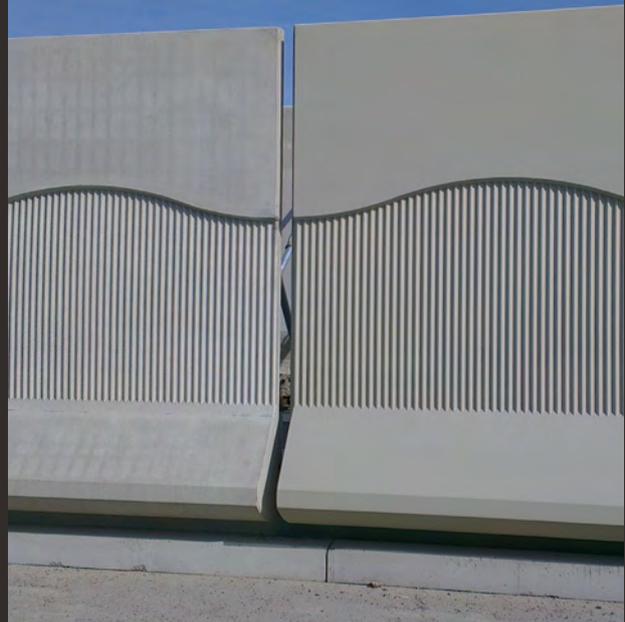
Housing, Bobigny (p.38)



Housing, Paris (p.56)



High speed railway, Tours - Bordeaux (p.58)





Blue veil for a social residence

It is in a grey environment near the Paris ring road where the «Trait d'union» of the Charles-Henri Tachon practice stands. The building stands out thanks to its colours: blue concrete and golden woodwork.

Designed in the shape of a diamond, the building is a mixed project housing a social residence, a distribution centre for the Restos du coeur and a training centre.

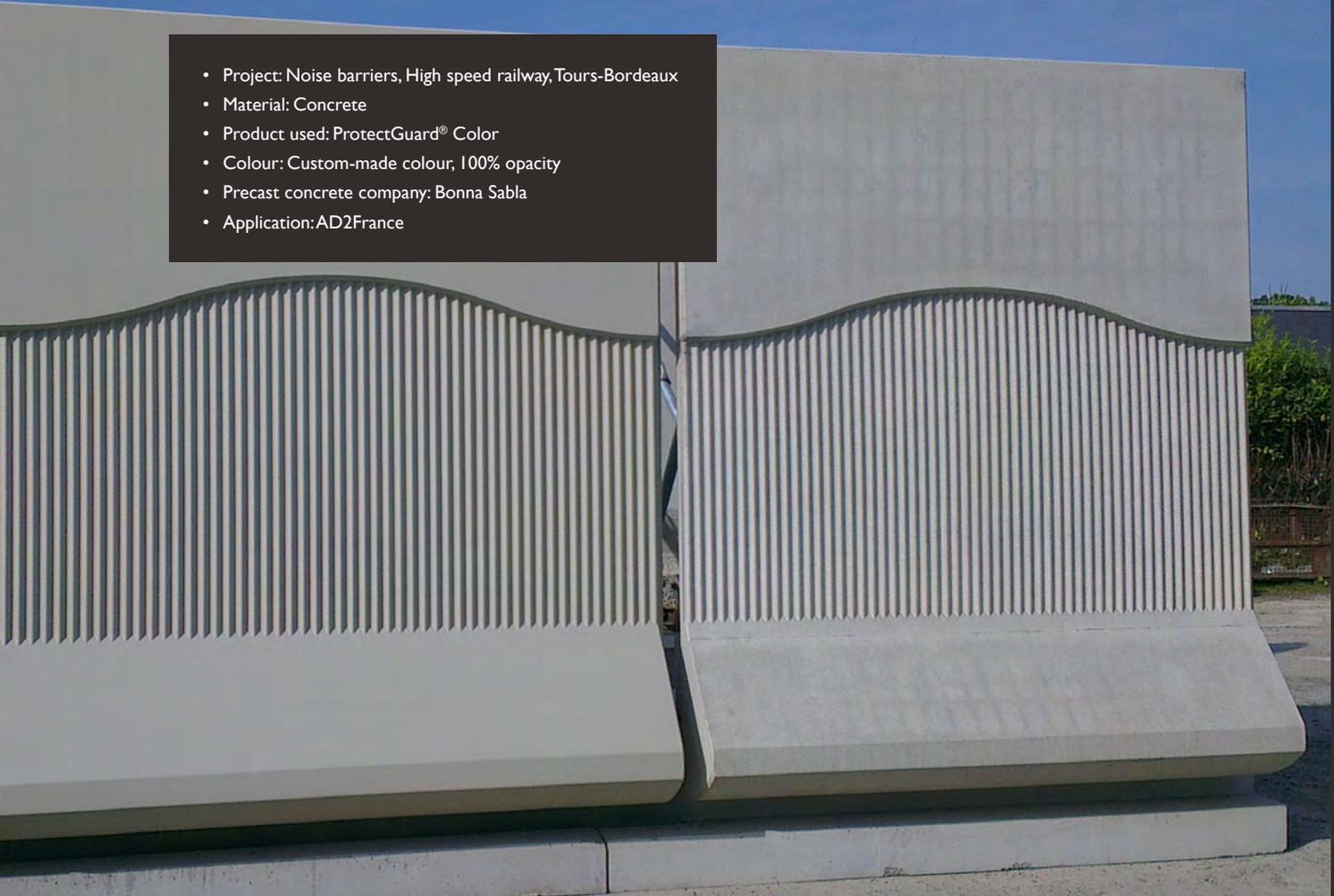
To contrast with the neighbouring buildings, the architect chose a blue concrete colour in the mass to bring colour and light to the neighbourhood.

In order to solve the problems of carbonation on the façades, to provide invisible anti-graffiti protection while maintaining the blue colour, the architect called upon Guard Industrie who formulated a customised shade in very low opacity of its ProtectGuard® Color AntiGraffiti concrete stain.

- Project: Housing, Paris
- Architect: Charles-Henri Tachon
- Material: Concrete
- Product used: ProtectGuard® Color AntiGraffiti
- Colour: RAL 5024, 5% opacity
- Application: AD2France



- Project: Noise barriers, High speed railway, Tours-Bordeaux
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: Custom-made colour, 100% opacity
- Precast concrete company: Bonna Sabla
- Application: AD2France



Alexandre Malderet, Betsinor's QSE and innovation manager



«Guard Industrie is synonymous with customised solutions, technicality, aesthetics, protection, flexibility, minerality, durability and environment»

Alexandre Malderet, Betsinor's QSE and Innovation manager

«Betsinor and Guard industrie have been working together for several years to provide technical solutions in terms of the protection and aesthetics of architectural facings.»

Betsinor has always positioned itself on complex and highly technical projects, leaving freedom of choice to the creative requirements of architects. This dimension of customisation and technicality is also found in the range of products offered by Guard Industrie.

ProtectGuard® Color concrete stains used allow the minerality of the substrates to be preserved and are perfectly adapted to the different cementitious matrices and manufacturing processes.

They offer many possibilities of application, in the workshop or on site, and provide the facings with additional protective characteristics against external elements. They thus effectively extend the durability of facings and enhance the aesthetics of buildings.

For Betsinor, the company Guard Industrie is synonymous with customised solutions, technicality, aesthetics, protection, flexibility, minerality, durability and environment.»

For more than 30 years, Delmar-Betsinor has been producing UHPC panels for prestigious projects.



RATP bus centre, Thiais (p.18)



EDF campus, Saclay (p.24)



DUEO building, Issy les Moulineaux (p.64)



Cinema, Aurillac (p.68)



Swimming pool Bertran de Born, Périgueux (p.62)



Housing, Brussels (p.66)



Modern Art Museum, Villeneuve d'Ascq (p.70)





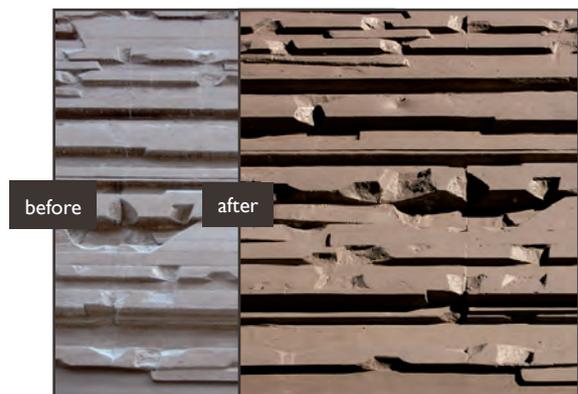
© Jean-François Tremége

- Project: Swimming pool Bertran de Born, Périgueux
- Architect: BVL Architecture
- Material: UHPC
- Product used: ProtectGuard® Color
- Colour: Custom-made colour broken white, 100% opacity
- Precast concrete company: Betsinor



Brown bark in the west Seine business district

Designed by Christian de Portzamparc, the Dueo building is located in the new Seine West business district and marks the entry to the town of Issy-les-Moulineaux from Paris.



The curvilinear building is covered with a brown double skin of glassfibre-reinforced concrete with random motifs that contrast with the surrounding buildings.

To give the 3 000 m² of GRC panels a uniform, more intense colour the architect chose the concrete stain ProtectGuard® Color in a Walnut colour.

- Project: Offices, Issy-les-Moulineaux
- Architect: Christian de Portzamparc
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: Walnut, 100% opacity
- Precaste concrete company: Betsinor

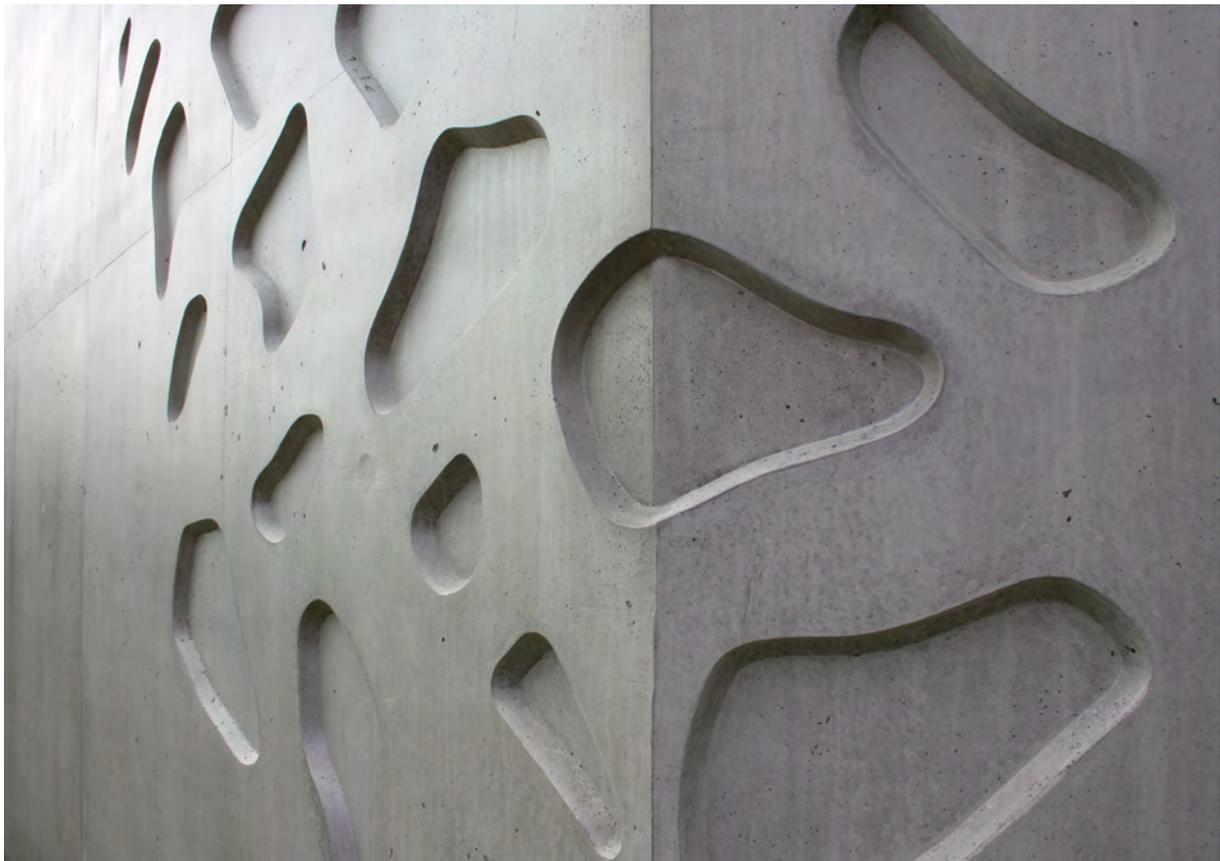




- Project: Housing, Brussels (Belgium)
- Architect: UNStudio / Jaspers-Eyers Architects
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: Custom-made colour broken white, 100% opacity
- Precast concrete company: Betsinor



- Project: Cinema, Aurillac
- Architect: Linéaire A architectes
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: Custom-made colour white, 100% opacity
- Precast concrete company: Betsinor



© Jack Garnier

Play of light for the façade of the LaM museum

In 2010 the LaM (Lille Métropole Museum of Modern Art) opened its doors again to reveal its new face: a bold building wrapped in a hairnet of ultra-high performance fibre-reinforced concrete.



The building's façade plays with the light and the eye of the visitor by offering changing reflections that are sometimes purple and sometimes green.

To protect and decorate the 2 600 m² of concrete cast walls the architect opted for ProtectGuard® Color, choosing a «Amethyst mirage» finish to give the concrete iridescent reflections that shift with the light.

Thus, depending on the play of the light and the angle of view, the walls of the building throw back the light in subtly varying hues, sometimes purple, sometimes green, towards the visitor's eyes.

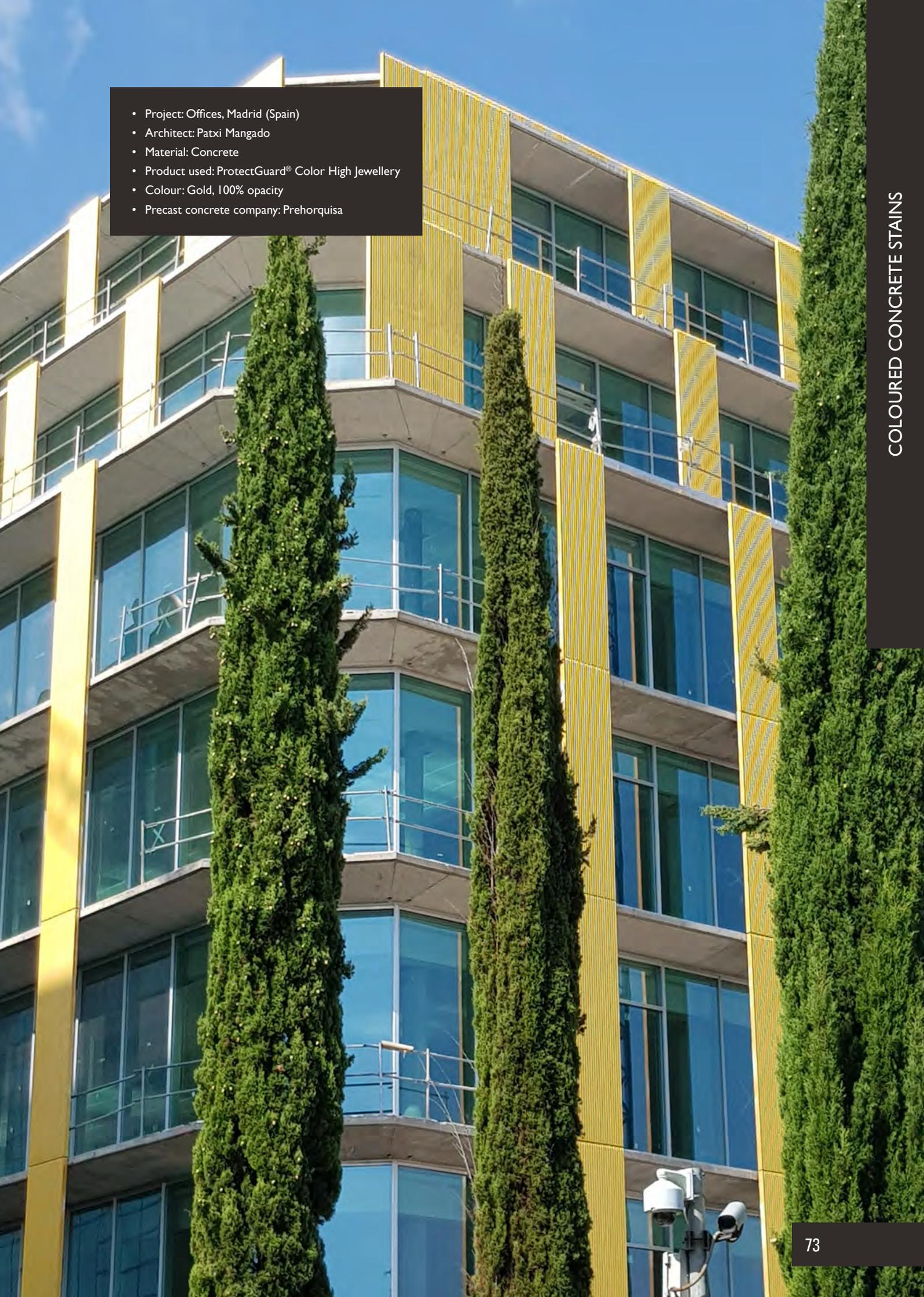
- Project: Modern Art Museum, Villeneuve d'Ascq
- Architect: Manuelle Gautrand
- Material: Ductal®
- Product used: ProtectGuard® Color High Jewellery
- Colour: Amethyst mirage, 100% opacity
- Precast concrete company: Betsinor
- Application: Altrotech



The metallic finish gives concrete a very shiny finish and changing reflections according to the light.

40
BIS

- Project: Offices, Madrid (Spain)
- Architect: Patxi Mangado
- Material: Concrete
- Product used: ProtectGuard® Color High Jewellery
- Colour: Gold, 100% opacity
- Precast concrete company: Prehorquisa



Salma Ziadi, Bearch's Managing Director

«Created in 2009, Bearch is the pioneer of architectural concrete in Morocco. Ductal® and GRC, the new architectural concretes composed of a fibre cement matrix, make it possible to develop innovative and competitive solutions for faster construction, requiring less maintenance and with a reduced impact on the environment. Today, our company offers influencers sustainable, innovative, flexible and highly aesthetic materials.

The collaboration with Guard Industrie was born out of our desire to extend the durability of our architectural concretes. We were looking for quality products to meet the different needs of concrete protection (colourless protection, coloured protection, protection of fresh concrete, etc.). At Guard Industrie we have found a diversified range of technical products to meet all these issues.

In addition to the quality of its products, Guard Industrie has a qualified laboratory capable of satisfying our requirements.

The company offers complete personalised support from development to training of application teams. The high quality of Guard Industrie's products, their technical support and feedback make them a privileged partner for many of our projects.»

«At Guard Industrie we have found a diversified range of technical products to meet all our issues»

Salma Ziadi, Bearch's Managing Director



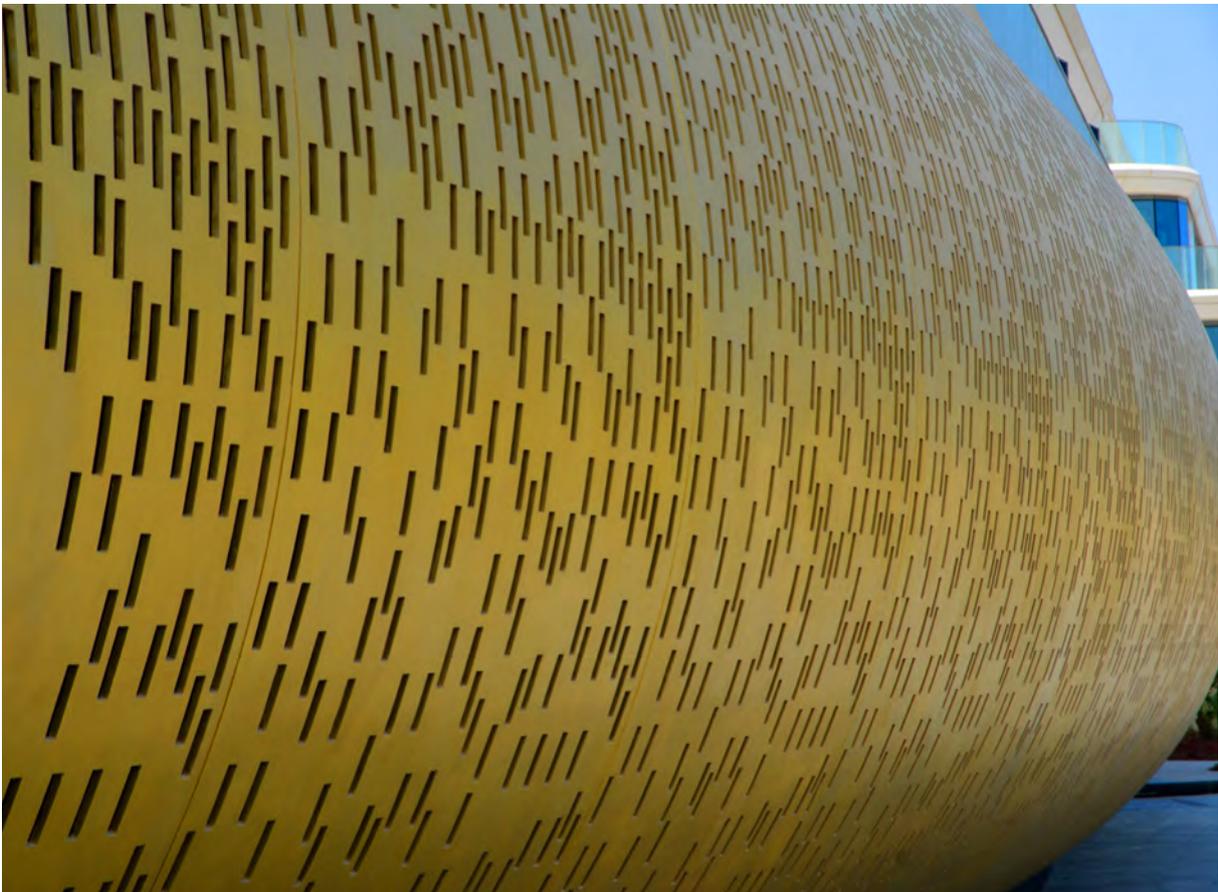
Bearch manufactures sustainable, innovative, flexible and highly aesthetic concretes. On the left, the production / quality team

- Project: Grand Théâtre, Rabat (Morocco)
- Architect: Zaha Hadid and Omar Alaoui
- Material: GRC
- Product used: ProtectGuard®
- Precast concrete company: Bearch





- Project: Train station, Kenitra (Morocco)
- Architect: Silvio d'Ascia Architecture and Omar Kobité
- Material: Ductal®
- Product used: ProtectGuard® Color
- Colour: Custom-made colour, 100% opacity
- Precast concrete company: Bearch



- Project: W Palm Hotel, Dubai (UAE)
- Material: GRC
- Product used: ProtectGuard® Color High Jewellery
- Colour: Gold, 100% opacity
- Precast concrete company: Water Wheel Industries

Malte Schnürle, PSS Interservice's Managing Director



The possibilities offered by Guard Industrie's concrete stains fascinate architects and contractors looking for sustainable solutions for a high-end finish for their architectural concrete»

Malte Schnürle, PSS Interservice's
Managing Director

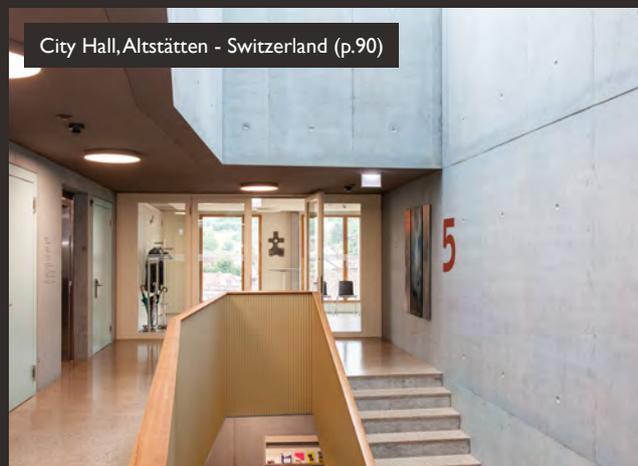
«PSS Interservice AG has been a partner of Guard Industrie for more than 20 years. We are applicators of Guard Industrie's products and one of their distributors in different markets in Europe.

Our know-how in the field of surface treatment is based on two factors. On the one hand it is based on technical teams with extensive experience in the field of concrete treatment against graffiti and dirt, but also in the field of stains and cosmetics for facings. On the other hand, it is based on a range of products that we have carefully selected and integrated into our service offers.

The company Guard Industrie thus supports us on most of our projects with their range of products, which perfectly meet our expectations and the requirements of our customers.

We have contributed to the realisation of some very beautiful projects for which we have coloured concrete facings with Guard Industrie's semi-transparent and multifunctional stain, providing colour and protection to the treated structures while totally preserving the mineral aspect of the substrate.

The possibilities offered by this concrete stain, which we offer in an almost infinite choice of colours, shades and degrees of opacity, give free rein to creativity, which particularly fascinates architects and contractors looking for sustainable solutions for a high-end finish for their architectural concrete.»





Gold, silver and bronze for a housing complex

In the region of Lausanne, an original housing complex stands out from the landscape with metallic colours.



Radiance is enhanced by the sunlight. The metallic glaze gives the houses a unique finish

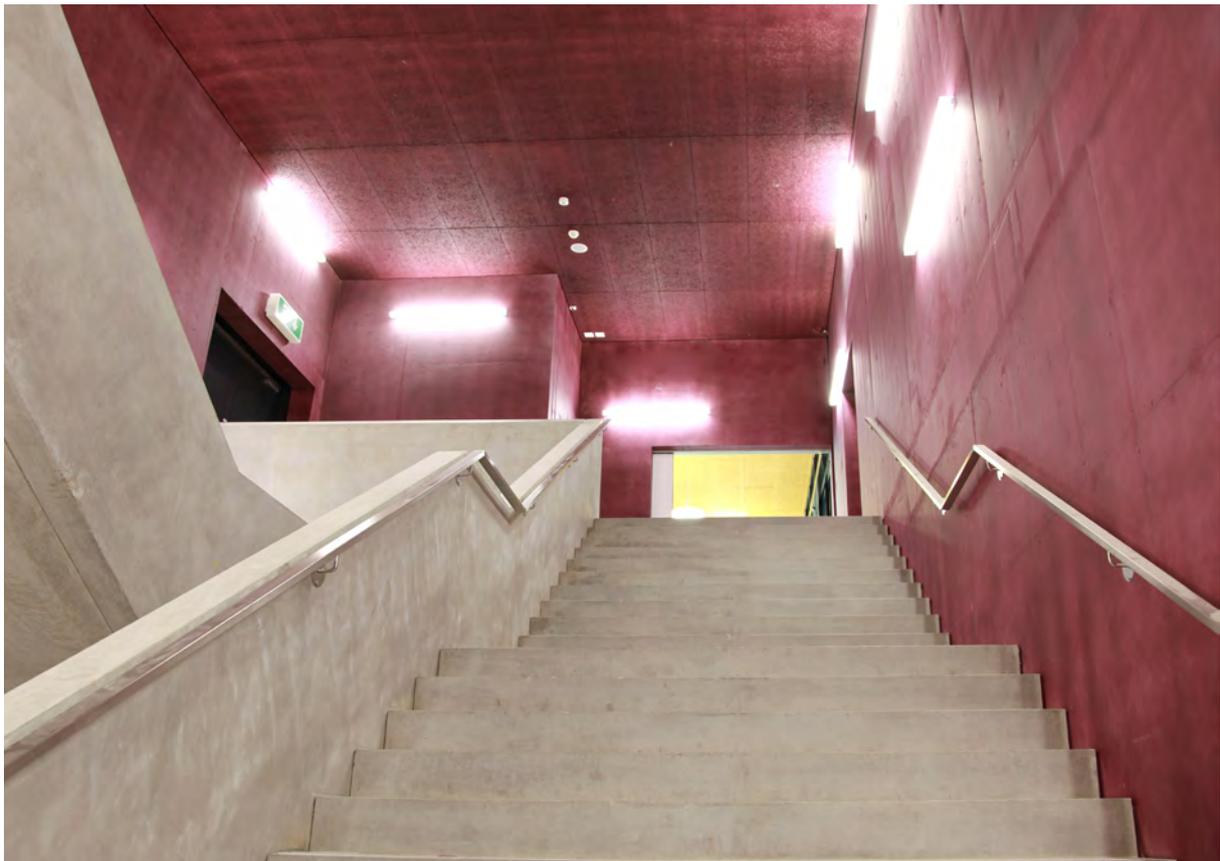
The concrete houses are adorned with ProtectGuard® Color High Jewellery, a metallic glaze in gold, silver and bronze.

Once the concrete is glazed, its typical structure remains visible but takes on a unique shine. Direct sunlight further enhances the intensity of the metallic colours on the south-facing side

- Project: Housing, Lausanne (Switzerland)
- Material: Concrete
- Product used: ProtectGuard® Color High Jewellery
- Colour: Gold, silver and bronze, 100% opacity
- Application: PSS Interservice

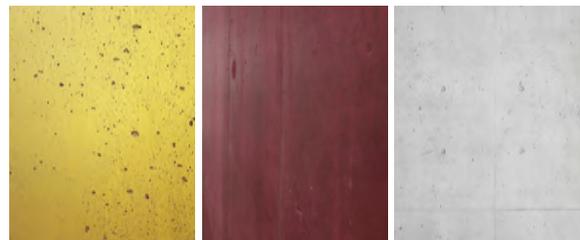


- Project: Parliament, Berlin (Germany)
- Architect: Stefan Braunfels
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: Concrete Berlin, 20% opacity
- Application: PSS Interservice



Tricolor finish for Lausanne exhibition centre

As part of the refurbishment of the neighborhood, the Beaulieu Exhibition Centre in Lausanne became the subject of a huge project of modernization.



For this project, about 10 000 m² of concrete were coloured with ProtectGuard® Color High Jewellery and ProtectGuard® Color.

For this project, three colours were used to protect and colour the concrete. A “gold” colour for the entrance hall to welcome visitors. A custom-made intense “purple” to indicate the staircases and facilitate orientation. A sober grey colour (“concrete one”) in the exhibition hall for a natural colouration of the concrete.

- Project: Exhibition centre, Lausanne (Switzerland)
- Material: Concrete
- Product used: ProtectGuard® Color and ProtectGuard® Color High Jewellery
- Colour: Concrete one, purple and gold, 100% opacity
- Application: PSS Interservice





Underground stained concrete

The growing need for electricity led the city of Zurich to build a new power station.



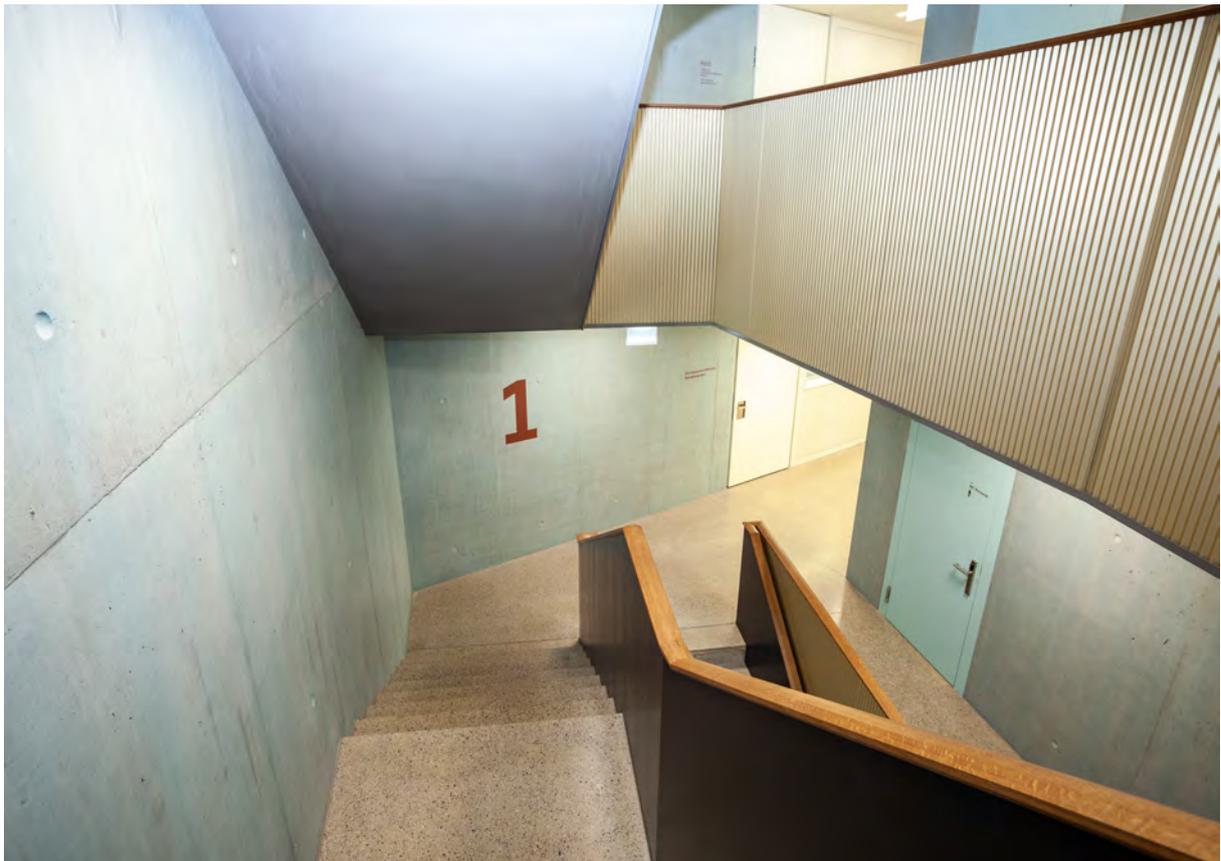
Installations can be seen from outside through a glass enclosure. The use of ProtectGuard® Color in a light opacity gives the building a very sleek style.

This building was largely built underground to make the most of the space. Thus, the entire installation is divided into levels R-1 and R-2. Only staff premises are located on the ground floor.

This building had to be functional but also of architectural interest. Through a clever interplay of mirrors and openings, the visitor in the building above can observe the installations in action through a glass enclosure.

The 2 300 m² area of exposed concrete in the wooden slat matrix has been stained in a very soft green based on RAL 6011 (20% opacity) to really mark this structure. This stain gives the concrete vigour and a very sleek style.

- Project: Power station, Zurich (Switzerland)
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: RAL 6011, 20% opacity
- Application: PSS Interservice



Ascending blue for a town hall

In Altstätten, Switzerland, an extension has been created for the town hall. At the heart of this building is a stairwell made of a bluestained concrete facing.



The low opacity blue stain gives reinforces the mineral side of the building.

The stairwell is the true central core of the building and has a central skylight allowing the entire height of the building to be seen from the bottom.

The different flights of stairs between each landing are compressed to their size and thus give the impression that the staircase is larger and the steps more generous.

The entire stairwell has been stained with a light blue (RAL 6034) in a light opacity to give the concrete a beautiful appearance.

- Project: Town hall, Altstätten (Switzerland)
- Architect: Allemann Bauer
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: RAL 6034, 20% opacity
- Application: PSS Interservice

The intense metallic finish of ProtectGuard® Color High Jewellery gives the common areas of the building a unique character.



- Project: Housing, Zurich (Switzerland)
- Material: Concrete
- Product used: ProtectGuard® Color High Jewellery
- Colour: Custom-made colour bronze, 100% opacity
- Application: PSS Interservice

Nicolas Feldkircher, AAB's Managing Director



«With Guard Industrie's products, we are sure of the quality delivered as well as the support from the teams in the event of technical issues»

Nicolas Feldkircher, AAB's Managing Director

«The AAB group (Atelier Artistique du Béton) offers its clients the design and construction of immersive universes. We produce sculpted concrete, UHPC and scenic accessories.

For example, we work every day to produce the rocks of Beauval Zoo, the themed façades of the Puy du Fou, TV plates or decorative elements in UHPC.

For our UHPC activity and more generally to protect our concrete elements, if we are asked to colour the elements, we always use Guard Industrie stains. With these products, we are sure of the quality delivered as well as the support from the teams in the event of technical issues.

For example, Guard Industrie helped us with the colour design of our elements for the Lyon Part Dieu Shopping Centre.»



UHPC panels manufactured for the Elisabeth Badinter school in Asnières

- Project: Shopping centre La Part Dieu, Lyon
- Architect: Sud Architectes
- Materials: Ductal®, concrete and UHPC
- Products used: ProtectGuard® Color and Dtox Guard® Ext
- Colour: Custom-made colour white, 100% opacity
- Precast concrete company: AAB and Prehorquisa
- Application: AD2France, Slpib, AAB and Prehorquisa

Carlos Piles, Director of Ductal® (Lafarge Holcim)



«Guard Industrie has demonstrated incredible agility to develop client needs and adapt quickly»

Carlos Piles, Director of Ductal® (Lafarge Holcim)



«Ductal® has been working with Guard Industrie during the last 15 years on projects around the world and this has been a successful partnership for the following reasons:

Global – for Ductal® team it was important to find a global partner to accompany us in all our projects around the world and this meant to have a partner with the ambition to become global and to give support to our clients worldwide. Guard Industrie has achieved this to the highest level.

Expertise/flexibility – We are working with real experts in their field and needed to work with a partner that has high technical knowledge of the envelope market and that is able to adapt to the different market requests. Guard Industrie has demonstrated incredible agility to develop client needs and adapt quickly.

Professionalism – Overall, Guard Industrie has demonstrated a great professionalism and consistency on delivery high quality and certified products which created a very easy path in very complex projects.

For all these reasons, we as Ductal® are very happy to continue working hand in hand with Guard Industrie and are convinced that are the best in class on their field of expertise.»

Some projects Ductal® treated
with Guard Industrie's ►
products

RATP bus centre, Thiais (p.18)



Kenitra train station - Morocco (p.76)



Budin day care centre, Paris (p.22)



Modern Art Museum, Villeneuve d'Ascq (p.70)



Marseillaise tower, Marseille (p.32)



Shopping centre la Part Dieu, Lyon (p.95)



Cepovett head office, Gleizé (p.156)





- Project: Metro walls, Doha (Qatar)
- Material: UHPC
- Product used: ProtectGuard® Color
- Colour: Custom-made, 100% opacity
- Precast concrete company: Gulf GRC





ProtectGuard® Color High Jewellery highlights the mineral look of the concrete. The gold finish gives a unique shine to the building.



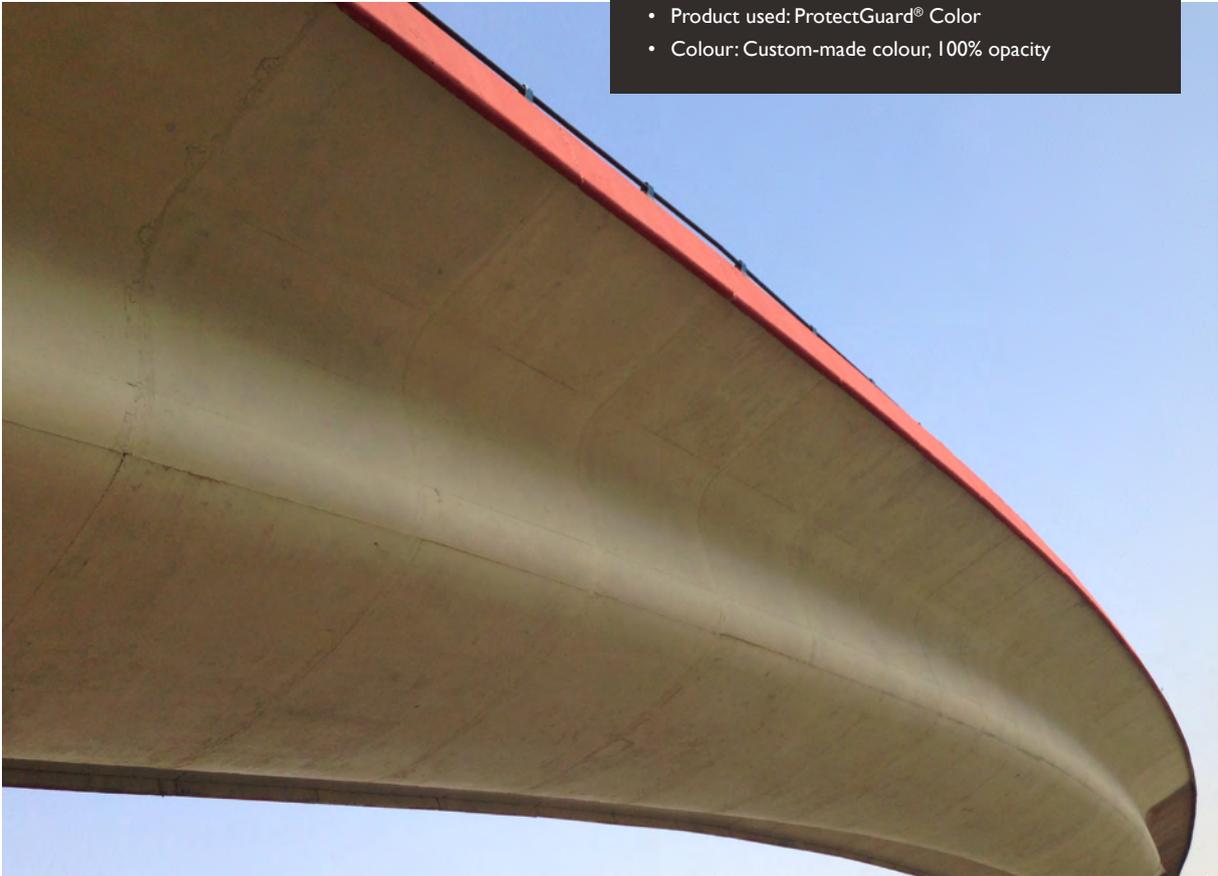
© Ignacio Prego

- Project: ZAC Chapelle International lot B, Paris
- Architect: Ignacio Prego Architectures
- Material: Concrete
- Product used: ProtectGuard® Color High Jewellery
- Colour: Gold, 100% opacity
- Application: AB Couleur



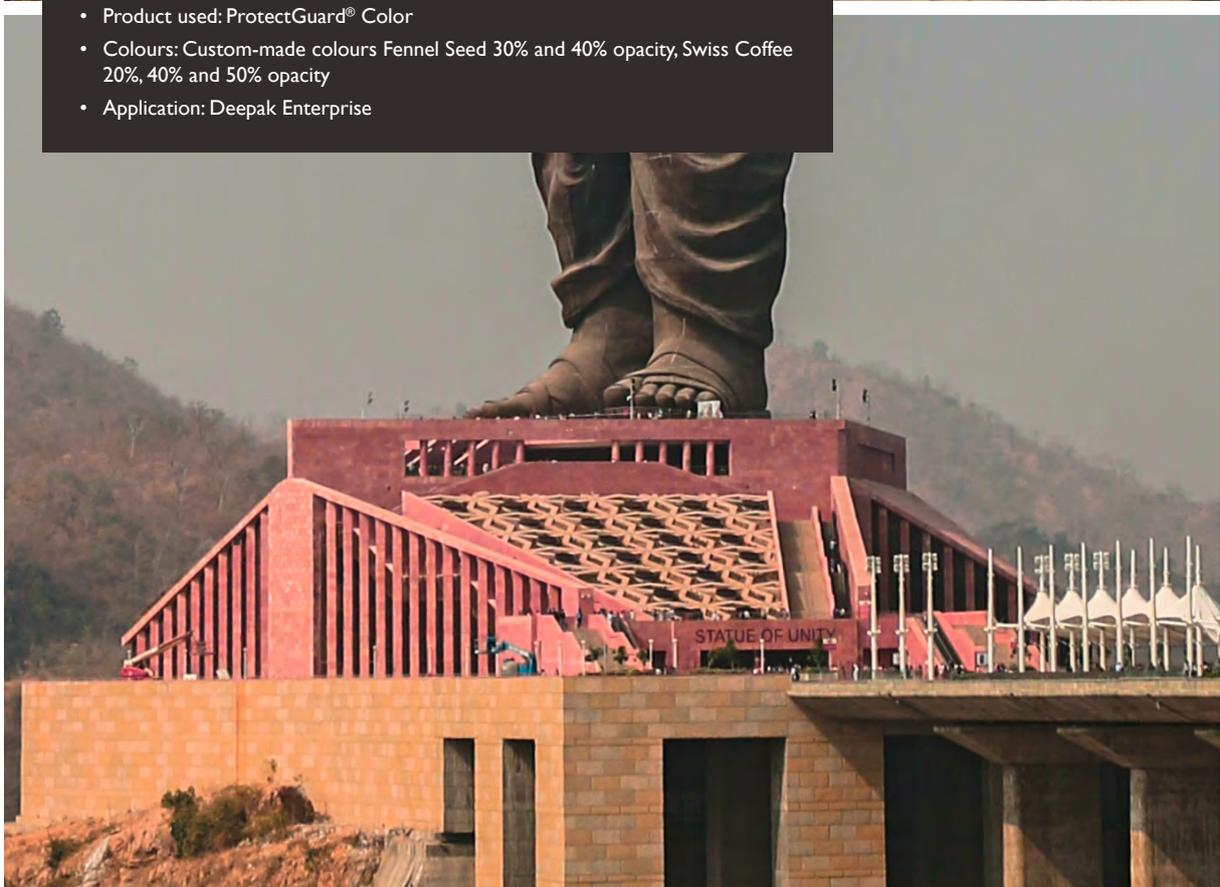


- Project: Interchange bridge, Alger (Algeria)
- Material: Concrete
- Product used: ProtectGuard® Color
- Colour: Custom-made colour, 100% opacity





- Project: Pedestal of the Statue of Unity, Narmada district, Gujarat (India)
- Architect: Ram Vanji Sutar
- Material: Concrete
- Product used: ProtectGuard® Color
- Colours: Custom-made colours Fennel Seed 30% and 40% opacity, Swiss Coffee 20%, 40% and 50% opacity
- Application: Deepak Enterprise



Ian White, Managing Director of Power-Sprays and Fibre Technologies International



«Few companies have focused their attention specifically to meet the demands of the GRC industry but Guard Industrie is an exception.»

Ian White, Managing Director of Power-Sprays and Fibre Technologies International

« Power-Sprays and Fibre Technologies International have been supplying companies worldwide with Glass fibre Reinforced Concrete (GRC) production technologies for nearly 50 years. During this time, we have seen several companies enter the market with systems to protect and colour GRC and other High Performance concretes used in architecture.

Few, if any, have focused their attention specifically to meet the demands of the GRC industry but Guard Industrie is an exception. We first became aware of Guard Industrie's ProtectGuard® Color sealants when a customer had a problem with colour variation on a prestigious architectural project in the Middle East. Guard Industrie were able to offer a solution which not only corrected the colour variation but also offered long term protection. They were able to analyse the colour range and compare it with the colour required and then formulate a ProtectGuard® Color sealant specifically to meet the requirements of the project.

Whenever we are asked how consistency of colour can be achieved on a GRC project we always propose ProtectGuard® Color.»



- Project: Housing, Royal Albert Dock, London (UK)
- Material: GRC
- Product used: ProtectGuard® Color
- Concrete precast: Chiltern GRC

Olga Glushankova and Alexander Elkin, Budova



«ProtectGuard® Color works ideally in climatic zones with a large temperature difference, maintaining the aesthetic view of building facades.»

Olga Glushankova and Alexander Elkin, Budova

«Our construction company Budova (from Ukraine, Odessa) has existed for 30 years. Our main activity is the construction of high-rise buildings using tunnel formwork with glass fiber reinforced concrete facade panels. Our cooperation with the Guard Industrie company is based on complex solutions for using GRC material, which is not the most common in Ukraine.

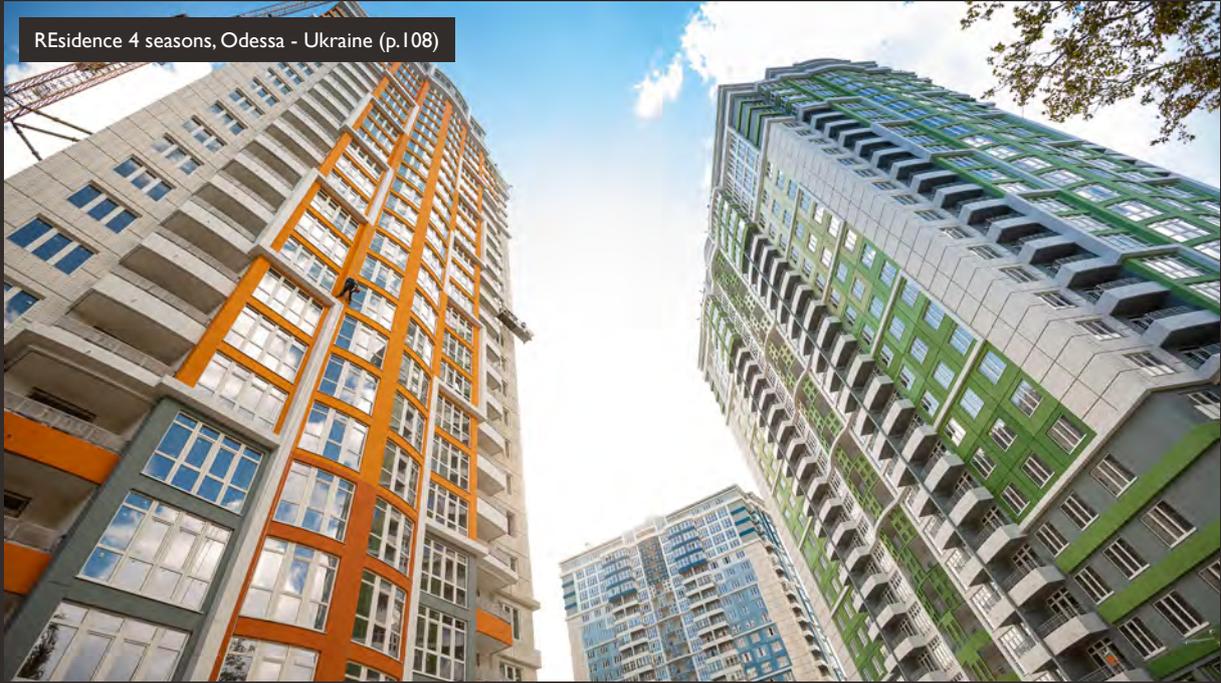
Protective materials ProtectGuard® Color are the ideal solution for painting and protecting the structures from glass fiber reinforced concrete (GRC). Despite the high density of GRC, these impregnations penetrate deeply into its structure, without forming a thick pellicle on the surface, which makes the structure vapor-permeable and at the same time protects it from external factors that affect the aging of the material. The ability to adjust the covering capacity of ProtectGuard® Color allows architects to use complementary shades on building facades and enhance the natural beauty of concrete surfaces.

The results of tests to determine frost resistance, UV resistance, adhesion of ProtectGuard® Color to the GRC surface, etc. have shown that this system works ideally in climatic zones with a large temperature difference, maintaining the aesthetic view of building facades.

We are very happy with the cooperation and already friendship with the Guard Industrie company, and having opened the manufacturing of Guard Industry materials in Ukraine last year, we are sure that we will be worthy partners and even greater adherents of this technology.»

For 30 years, Budova has been producing GRC for high-rise buildings in Ukraine

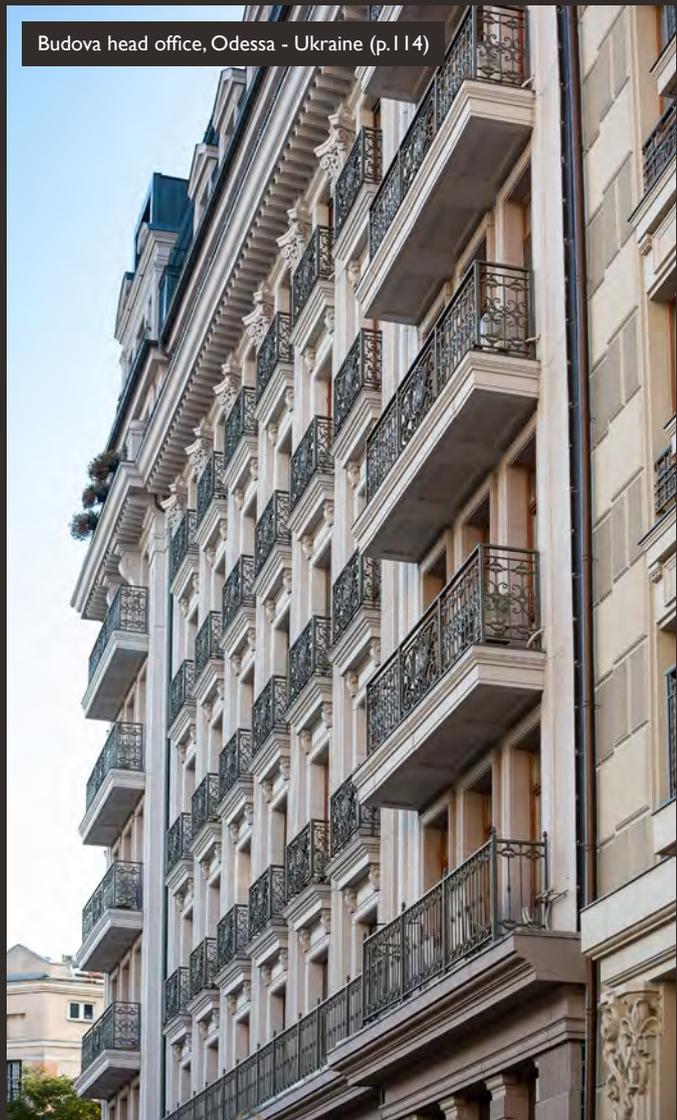




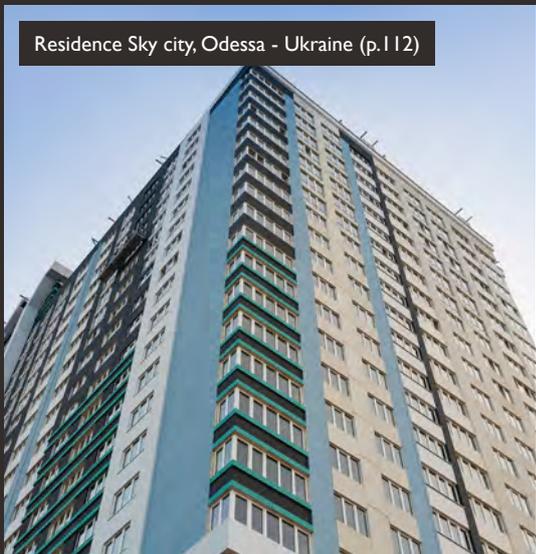
REsidence 4 seasons, Odessa - Ukraine (p.108)



REsidence Omega, Odessa - Ukraine (p.110)



Budova head office, Odessa - Ukraine (p.114)



Residence Sky city, Odessa - Ukraine (p.112)

COLOURED CONCRETE STAINS



Seasonal progression for a residential complex in Odessa

In Odessa, Ukraine, a residential complex of four buildings, each representing a different season, has been built.

The «4 seasons» residential complex consists of four buildings, each with its own identity.

These 24-storey concrete towers feature GRC panels in shades of red, orange, blue or green.

For this monumental project, no less than 25 shades of ProtectGuard® Color were custom designed to tint and protect GRC panels.



The four-toned stain gives each building a distinct character

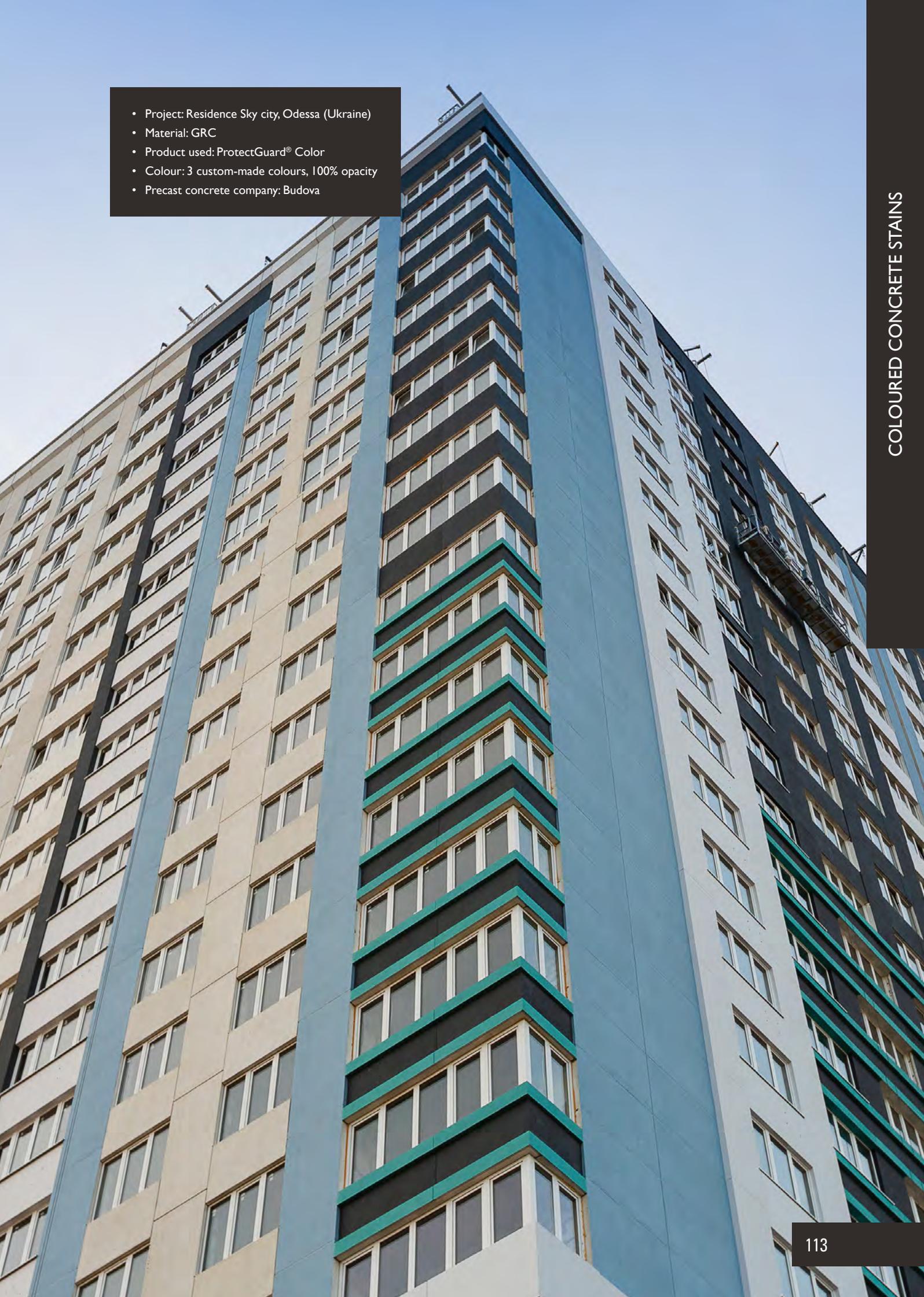
- Project: Residence 4 seasons, Odessa (Ukraine)
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: 25 custom-made colours, 100% opacity
- Precast concrete company: Budova



- Project: Residence Omega, Odessa (Ukraine)
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: 4 custom-made blue colours, 100% opacity
- Precast concrete company: Budova



- Project: Residence Sky city, Odessa (Ukraine)
- Material: GRC
- Product used: ProtectGuard® Color
- Colour: 3 custom-made colours, 100% opacity
- Precast concrete company: Budova





- Project: Budova head office, Odessa (Ukraine)
- Material: GRC
- Product applied: ProtectGuard® Color
- Colour: Custom-made colour, 100% opacity
- Concrete precast: Budova

Gianpiero Casagrande, Zanette's R&D Manager



«Guard Industrie provides exceptional products and high-quality service»

Gianpiero Casagrande, Zanette's R&D manager

«The collaboration between Zanette, a major player for 30 years in the field of concrete, UHPC and GRC facades, and Guard Industrie, a leader in concrete cosmetics, has made it possible to protect and colour elements of various types and effects, with optimal results.

Thanks to this partnership, the works produced retain their colour over time and are durably protected, which is a guarantee of quality.

Guard Industrie provides exceptional products and high-quality service. I advise all of Zanette's customers to use Guard Industrie products. The company offers versatile and customisable solutions to ensure product, colour, effect and dye durability over time.

It's not easy to find a company like Guard Industrie in today's market that you can rely on and that understands the challenges and problems of the precast concrete industry.»



For more than 30 years, Zanette has been a major player in the precast concrete market. In particular, the company has developed the CLADIA® cladding for facades with Ductal® inside, in collaboration with Lafarge-Holcim.



- Project: Abacus head office, Wittenbach (Switzerland)
- Architect: Beegroup - Gabriele Cavazzano
- Material: Cladia® with Ductal inside®
- Product used: ProtectGuard® FC 24h
- Precast concrete company: Zanette



The two anthracite tinted dyes give the building a checkerboard effect.

- Project: Offices, Zurich (Switzerland)
- Material: GRC ZIP (Zanette Innovation panels)
- Product applied: ProtectGuard® Color
- Colour: Anthracite, 20% opacity
- Precast concrete company: Zanette



- Project: Offices and housing, Zurich (Switzerland)
- Material: GRC ZIP (Zanette Innovation panels)
- Product applied: ProtectGuard® Color
- Colour: NCS 2500, 100% opacity and Agathe, 10% opacity
- Precast concrete company: Zanette



Water and oil-repellent, anti-stain and anti-graffiti products.
A range of protection products for concrete and stone.

Protect concrete and stone



Beading effect on
limestone, marble,
concrete, travertine and
terracotta protected
with ProtectGuard®



A complete range of colourless stains for concrete and stone

Leader in the care of building materials, Guard Industrie offers a range of water-repellent, oil-repellent, anti-stain and anti-graffiti products. ProtectGuard® products offer the best protection for concrete or stone surfaces and preserve heritage buildings as well as new structures.

PROTECTGUARD®

Water and oil-repellent, anti-graffiti for porous materials

PROTECTGUARD® HD

HEAVY DUTY

Water and oil-repellent, anti-graffiti for low porous materials

PROTECTGUARD® MG Eco

MARBLE & GRANITE

Water and oil-repellent for very low-porous, polished or crystallized materials

PROTECTGUARD® FC 24H

FRESH CONCRETE

Total protection for fresh concrete (from 24h to 28 days after cast)

PROTECTGUARD® CE

SPECIAL CONCRETE

Water and oil-repellent, anti-graffiti, anti-chlorides for concrete. CE marking product

PROTECTGUARD® WF

SPECIAL CONCRETE

Clear concrete stain. Water and oil-repellent

SUPER ANTIGRAFFITIGUARD®

MULTI-SURFACE

Permanent graffiti and multi-surface protection, water and oil-repellent

DTOXGUARD® INT

Pollution removal treatment - interior use

DTOXGUARD® EXT

Pollution removal treatment - exterior use

Best preventive solutions to building materials degradations



Water-repellent

Our protection products prevent water ingress and eliminate negative effects caused by humidity (erosion, degradation due to continuous 'freezethaw' cycles, efflorescence, saltpeter, development of micro-organisms, etc.)



Oil-repellent

Our protection products make materials more resistant to staining, oil and atmospheric pollution. They make maintenance easier and ensure the longevity and quality of building renovations.



Anti-graffiti

Our protection products create a barrier that prevents deep penetration of ink and paint pigments into porous materials. Once a material is treated, graffiti can be easier to remove with antigraffiti products from the GraffiGuard® range.

Products respectful of materials

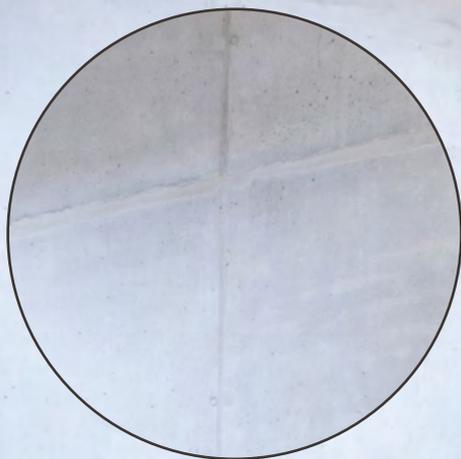
A completely invisible protection

Our protection products are impregnation products. They penetrate into materials without forming a film. Invisible once dry, they do not modify a materials structure or its colour.

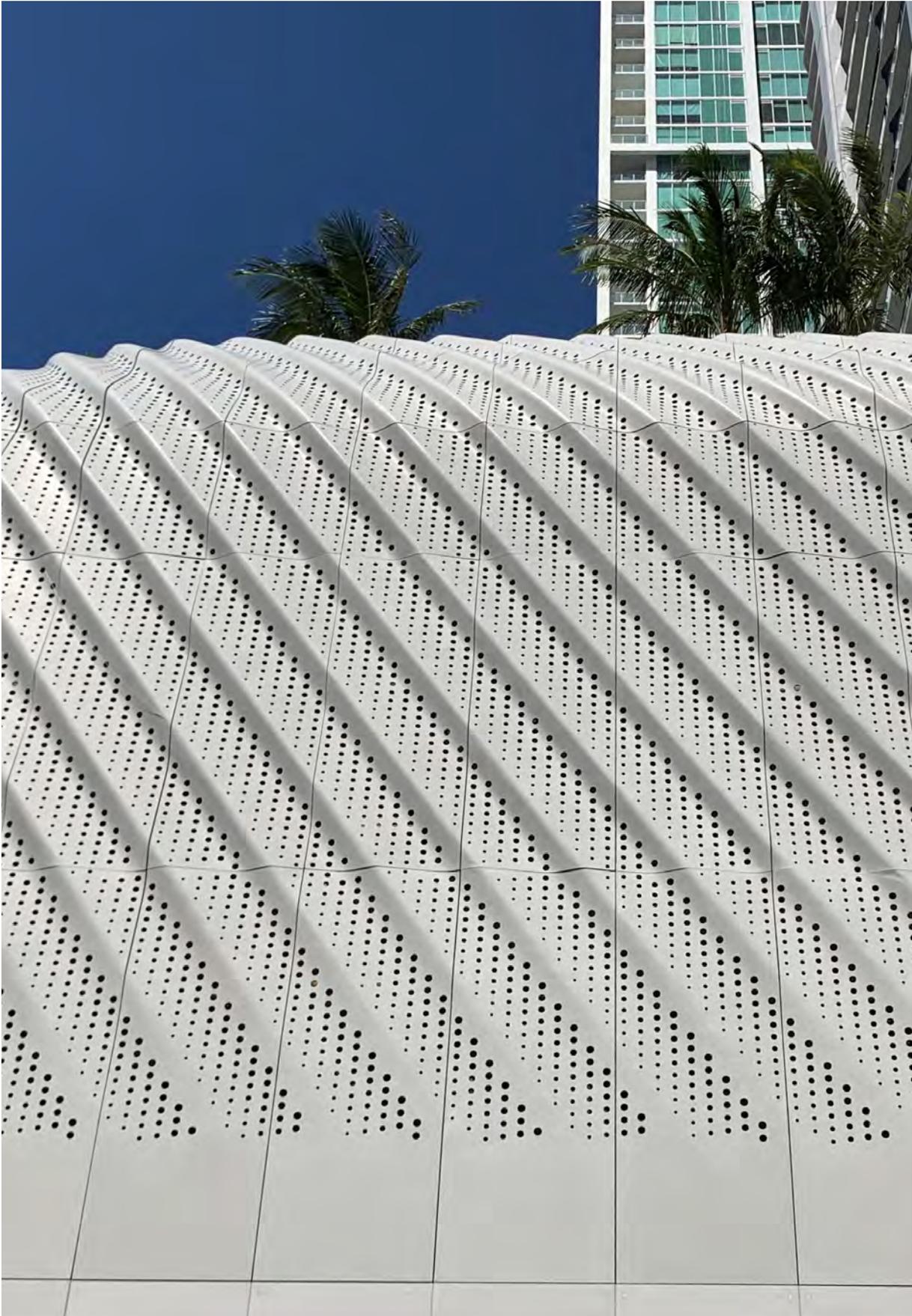
Treated materials remain permeable to air and water vapour

Our protection products do not modify the materials characteristics. The permeability loss of moisture for a treated material is less than 10% (result calculated in accordance with the 52615 standard).

ProtectGuard® products are impregnation products. They penetrate into materials without forming a film. Invisible once dry, they do not modify a materials structure or its colour.



11
SOS



© Phillip Pessar - Flickr

- Project: One Thousand Museum, Miami (USA)
- Architect: Zaha Hadid
- Material: GRC
- Product used: ProtectGuard® CE
- Precast concrete company: Arabian Profile



Architecture with an outstanding finish

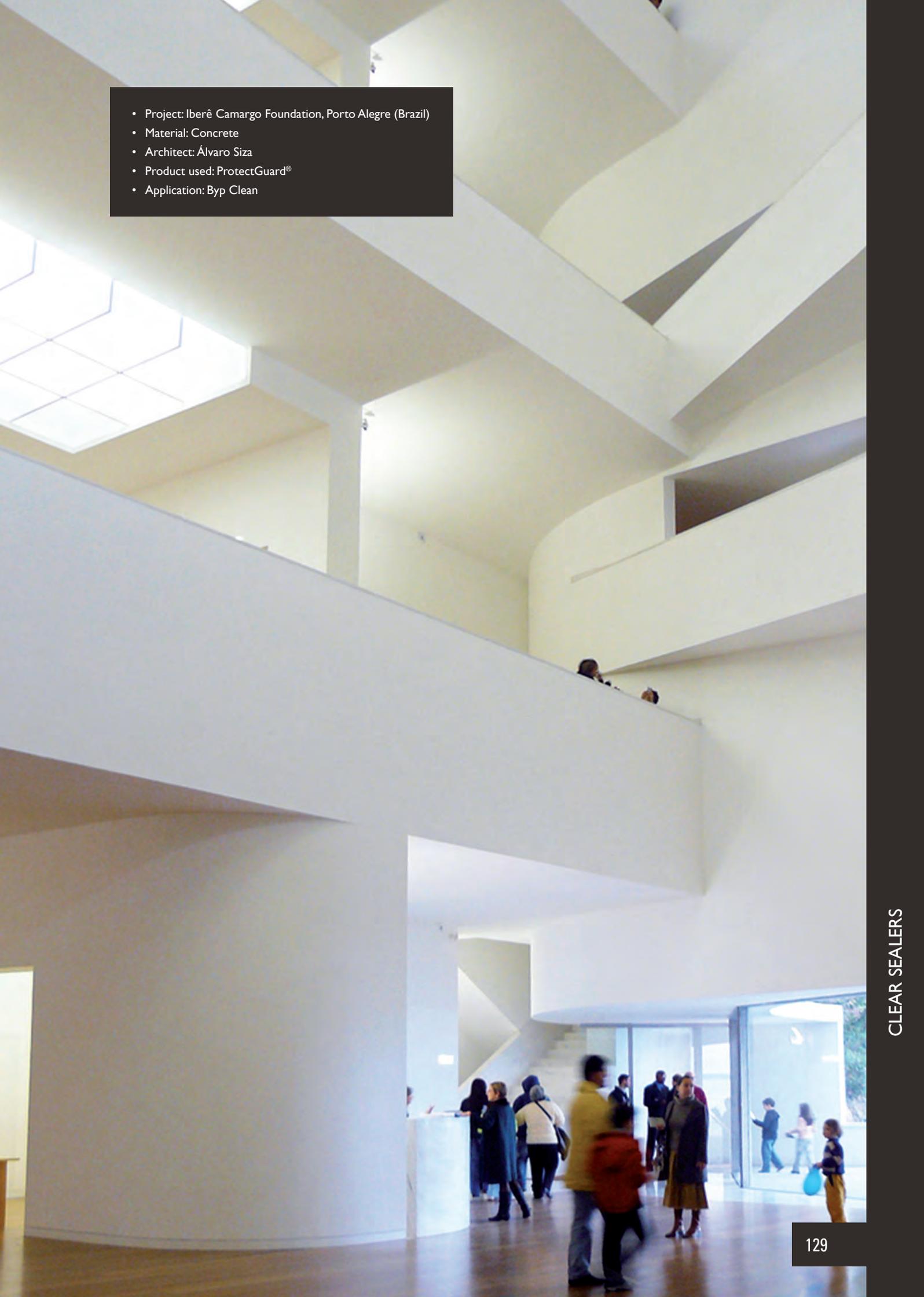
Designed by Álvaro Siza, the Iberê Camargo Foundation, Porto Alegre intrigues by its L shape consisting of three cuboids.

The architect wanted this imposing building to be in white concrete, as a gesture to modern Brazilian architecture, which is very fond of this material.

After the project was finished the architect wanted to have the concrete exterior protected from damage to ensure it would keep its original appearance.

ProtectGuard®, which is completely invisible and non-filmforming, was the perfect method to provide durable protection while respecting the concrete.

- Project: Iberê Camargo Foundation, Porto Alegre (Brazil)
- Material: Concrete
- Architect: Álvaro Siza
- Product used: ProtectGuard®
- Application: Byp Clean





Eternal protection for the Vatican columns

The symbol of St Peter's Square in Rome, Bernini's columns underwent restoration from 2009 to 2014.



Application of ProtectGuard® by the company Pelicoat and Vatican technical services.

Following several years of meticulous cleaning, the Vatican needed to ensure the results would endure by protecting the columns from soiling and recurring graffiti.

For this project the Vatican laboratory in charge of restoration of monuments selected and adopted ProtectGuard® as the most effective, longest lasting technology.

- Project: Bernini's columns, Vatican
- Material: Natural stone
- Product used: ProtectGuard®
- Application: Pelicoat & Vatican technical services



Jean-Pierre Tardif, Seccobat's CEO



«Guard Industrie's products are by far the best products available on the national and international market»

Jean-Pierre Tardif, Seccobat's CEO

«I created the company Seccobat in 1994 with its main activity being the cleaning and treatment of Historic Monuments. In this context I was looking for ecological and high performance technical products that can be applied without risk to historical monuments.

I met Guard Industrie in 1996 who developed the MHB 2010 for my activity. This is a water and oil repellent protection product adapted to the constraints of monuments. This product quickly proved its worth and was validated and recommended by the LRMH (Research Laboratory of Historical Monuments).

I have been working closely with Guard Industrie for almost 25 years, first with Alain Wayser, the founder of the company, now with Barnabé Wayser, his son. A friendly relationship of trust has developed with Guard Industrie's managers and teams. On all my construction sites, I exclusively use Guard Industrie products. They are by far the best products available on the national and international market.

Seccobat and Guard Industrie have together carried out many very prestigious operations in France (notably on Parisian monuments) but also abroad: Grand Palais, Petit Palais, Opéra Garnier, Notre Dame, Horizons Tower (Ateliers Jean Nouvel), Paris Orthodox Church (Jean Michel Wilmotte), Charles de Gaulle Airport, Senate, Ritz Hotel, Crillon Hotel, Pont Neuf, etc.»

Horizons tower, Boulogne-Billancourt (p.134)



Notre Dame, Paris (p.136)



Orthodox church, Paris (p.138)



Petit Palais, Paris (p.140)



HSBC head office, Paris (p.144)



Grand Palais, Paris (p.142)





© Fred Romero, Flickr

Exceptional protection for a «non tower»

The Horizons tower designed by the Ateliers Jean Nouvel breaks away from the monolithic aspect of high-rise buildings by playing on the stacking of three facades with radically different styles.

Inaugurated in the spring of 2011, the Horizons Tower is an office building located on the former grounds of the Renault factories facing Ile Seguin in Boulogne-Billancourt. This eighteen-storey tower extends over 35,000 m² and is 88 metres high.

This non-tower is designed as a pyramid with three buildings with very distinct coverings that reinterpret the surrounding geographical area: a sculpted concrete base for the earth, a central brick module for the city and a glass roof to blend into the sky.

To protect the base of the concrete building, AJN called on Guard Industrie and its ProtectGuard® product to provide water, oil and anti-graffiti protection for the concrete.

- Project: Horizons tower, Boulogne-Billancourt
- Architect: Ateliers Jean Nouvel
- Material: Concrete
- Product used: ProtectGuard®
- Application: Seccobat





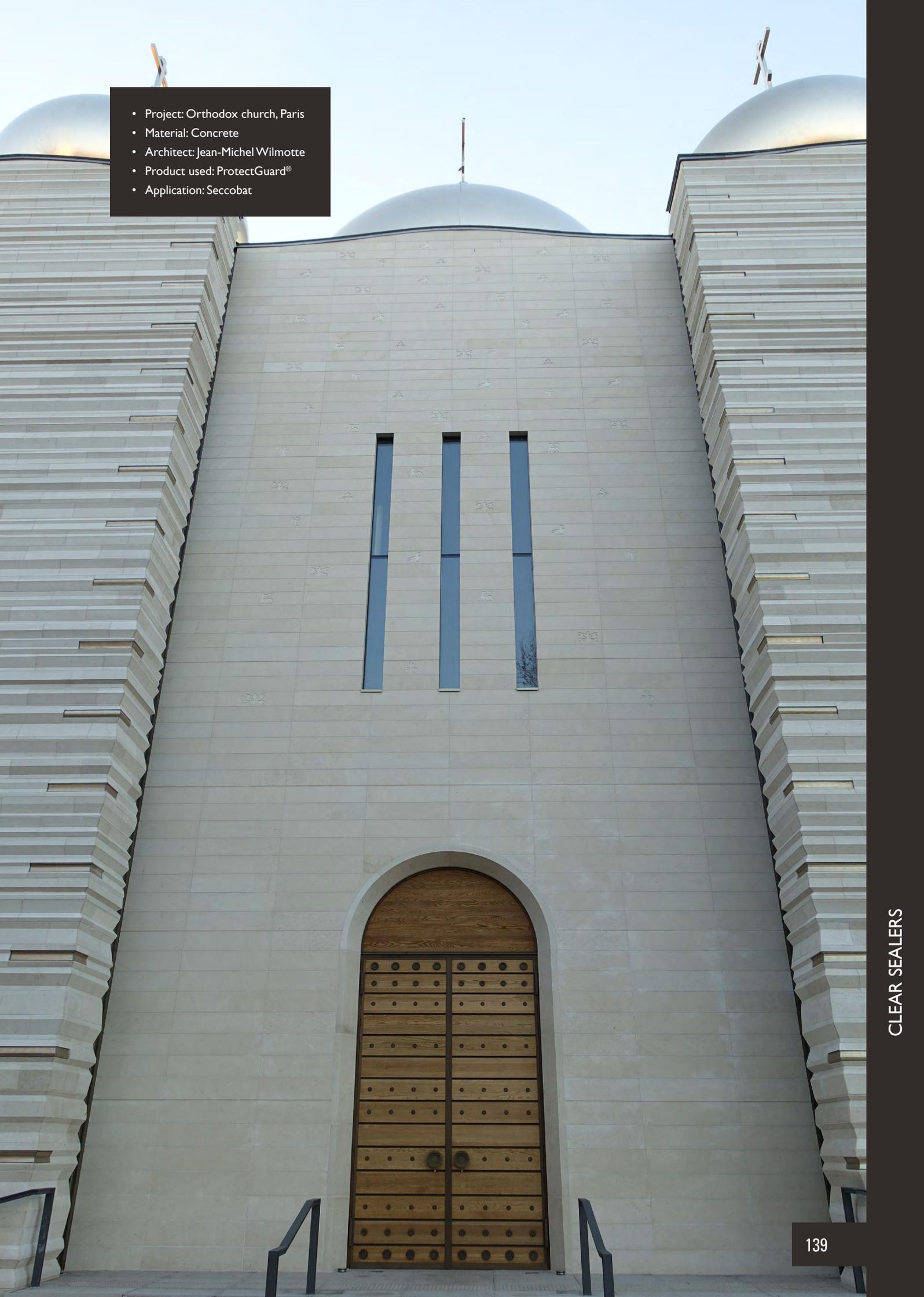
- Project: Notre Dame, Paris
- Material: Natural stone
- Product used: ProtectGuard®
- Application: Seccobat





© Ninara - Flickr

- Project: Orthodox church, Paris
- Material: Concrete
- Architect: Jean-Michel Wilmotte
- Product used: ProtectGuard®
- Application: Seccobat





© Davide Mainardi - Flickr

- Project: Petit Palais, Paris
- Material: Natural stone
- Product used: ProtectGuard®
- Application: Seccobat





- Project: Grand Palais, Paris
- Material: Natural stone
- Product used: ProtectGuard®
- Application: Seccobat





- Project: HSBC head office, Paris
- Material: Natural stone
- Product used: ProtectGuard®
- Application: Seccobat



Ram Savani, Director of Savani Heritage Conservation Pvt. Ltd.

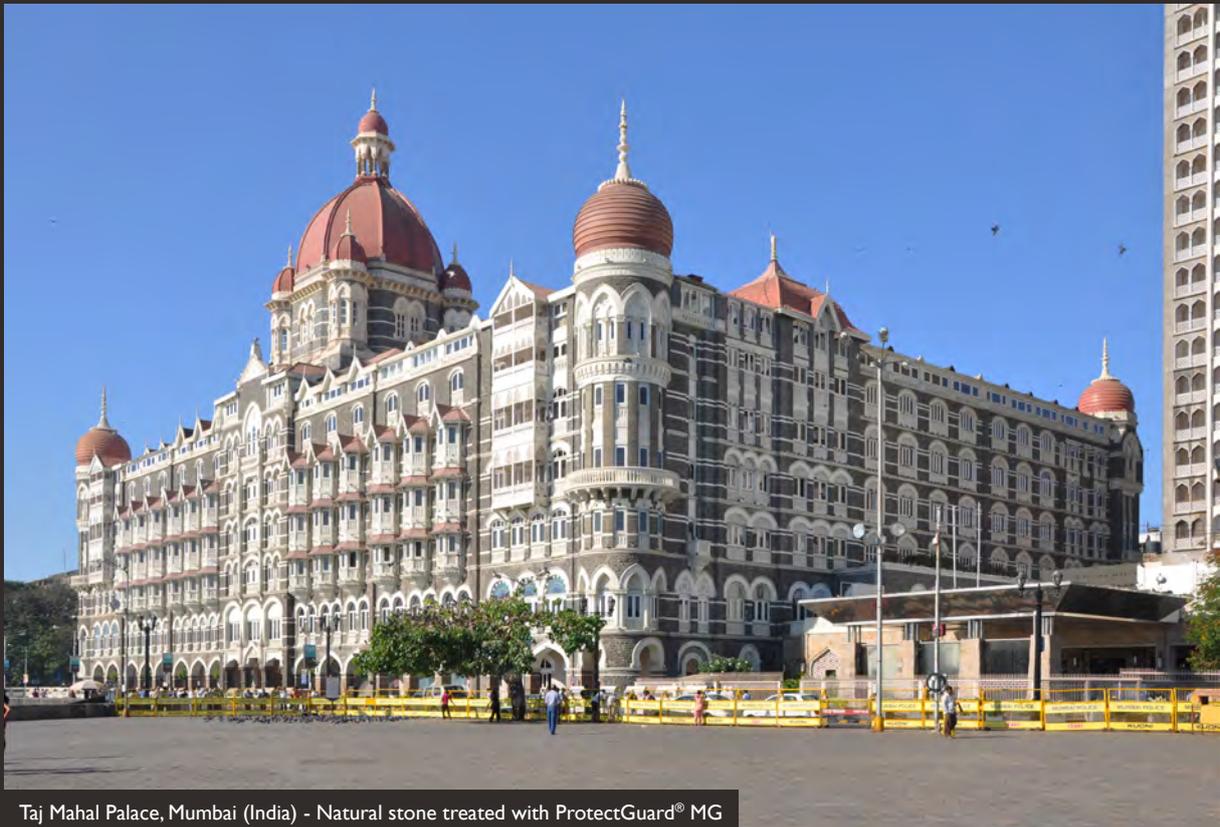
«Savani Heritage Conservation Pvt. Ltd. has been specializing in restoration of Heritage Structures for 25 years. We chose to apply Guard Industrie products on some of our projects for several reasons.

The products supplied by Guard Industrie have performed very well over the years in the heavy rainfall and hot climate conditions prevalent in India. Rajabhai Towers and IIM Ahmedabad were two prestigious projects where these were applied successfully. We observed the performance during and after the monsoon season and found it to be satisfactory. These are also easy to apply and we get full technical support from the local team.

We prefer to use these products because we get a complete technical solution for cleaning, protection, decoration and treatment of different types of substrates such as lime plaster, bricks, natural stones etc. The products are breathable, do not form a film and give long term protection.»

«We prefer to use these products because we get a complete technical solution»

Ram Savani, Director of Savani Heritage Conservation Pvt. Ltd.



Taj Mahal Palace, Mumbai (India) - Natural stone treated with ProtectGuard® MG



Rajabai Clock Tower, Mumbai (India) - Brick treated with ProtectGuard®

CLEAR SEALERS



Invisible once applied,
ProtectGuard® HD
does not modify
concrete's colour
or structure.
ProtectGuard® HD
durably protects
against water, staining
and graffiti.

- Project: Paparemborde high school, Colombes
- Material: Concrete
- Product used: ProtectGuard® HD
- Application: PSS Interservice





- Project: Shopping centre, Winterthur (Switzerland)
- Material: Concrete
- Product used: ProtectGuard® HD
- Application: PSS Interservice





Colourless protection for an art school

The Toni-Areal, once a dairy plant, has been home to the campus of the Zurich University of the Arts since 2014.



ProtectGuard® HD is non-film forming and invisible. The mineral aspect of the concrete is totally preserved.

This complex designed by the EM2N architectural firm has an open structure, accessible from all sides and through several entrances.

Within the lower and upper parts of the building, interconnection is required: all parts of the building are connected and in relation to each other.

To protect the rough concrete walls, the architect opted for ProtectGuard® HD, a water and oil repellent stain that is completely imprinted and invisible after application.

- Project: University of the Arts, Zurich (Switzerland)
- Architect: EM2N
- Material: Concrete
- Product used: ProtectGuard® HD
- Application: PSS Interservice



Muriel Tissot, Taporo's CEO



«Beyond the great technical capabilities of their products, the Guard Industrie team is incredibly reactive and constantly concerned with advising and innovating»

Muriel Tissot, Taporo's CEO

« From the beginning of our activity we have worked with Guard Industrie, a company that offers a very complete range of protection/enhancement products for the ultra high performance fibre-reinforced concrete that we transform.

The cementitious nature of UHPC requires perfect knowledge of the behaviour of this material in the face of the various stresses to which it can be subjected at all stages of production and installation of prefabricated structures. That's where Guard Industrie comes in.

Beyond the great technical capabilities of their products, both in terms of surface protection (water repellent, anti-graffiti, stripper) and specific finishes (wet effect, matt effect, mirror effect, stain), the Guard Industrie team is incredibly reactive and constantly concerned with advising and innovating. This double performance is rare enough to be highlighted.

We have used all of the products marketed by Guard Industrie and have always been impressed by the finish, appearance and durability of each of the treatments applied to our UHPC elements.

In addition, Guard Industrie has a large number of applicators, either in-house or approved, who can intervene on-site, once the installation is completed, when production conditions do not allow treatments to be applied during prefabrication (short deadlines, complex application etc.).

The wide range of products and the efficiency of services offered by Guard Industrie make it a partner of choice for our demanding business. »





© Erick Salliet

White moucharaby for offices

Designed by architect Pierre Minassian, the extension of Cepovett's head office plays the modernity card with a white mesh that gives the building privacy and protection from the sun's rays.

The architecture of the building is based on a mixed steel and white concrete structure, the first floor of which is clad with a white Ductal® mesh.

This mesh offers a double façade allowing for maintenance of large windows and plays the role of contemporary Moucharaby while protecting the floor from the sun's rays.

Ductal® mesh is made up of 35 panels in 3 different models produced by Taporo.

To protect the UHPC, Taporo applied ProtectGuard® FC 24H clear concrete stain.

- 
- Project: Cepovett head office, Gleizé
 - Architect: Agence AUM Pierre Minassian
 - Material: Ductal®
 - Product used: ProtectGuard® BF 24H
 - Precast concrete company: Taporo



- Project: University, Moscow (Russia)
- Material: Natural stone
- Product used : ProtectGuard®
- Application: Bouyguesstroï





- Project: One trinity place, Saint Petersburg (Russia)
- Architect: Squire & Partners
- Material: Natural stone
- Product used : ProtectGuard®
- Application: Ant Yapı Sanayi ve Ticaret Anonim Sirketi



- Project: Gazpromexport head office, Saint Petersburg (Russia)
- Material: Natural stone
- Product used : ProtectGuard®
- Application: Megapolis service



Our specification department assists you in designing your project from the choice of the product to its implementation.

Together, let's make your project a reality!



Your project is unique and has special requirements. To meet the specific requirements of your major projects, our teams will support you from the choice of products to their implementation.

According to your needs, we offer you the solutions best suited to your materials and customise our products by playing on colour (standard, custom, matching), opacity and finish.

To assist you in your prescription work, we also provide you with the necessary technical and regulatory information as well as typical descriptions.

Contact our prescription department

Do you have a project? Do you have a question? Contact our teams :

+33 (0)1 55 86 17 60

prescription@guardindustrie.com



Water and oil repellent
concrete stain.
Standard shades

- Semi-transparent concrete stain
- 42 standard shades, custom-made shades
- Protects against water and stains
- Non film-forming, respects minerality
- LEED certified

SPECIFICATION TEXT

Implementation of ProtectGuard® Color or equivalent. The product should be a coloured glaze that is water-repellent, oil-repellent and stain-resistant. It should be formulated with an acrylic resin and water-borne fluorinated acrylic copolymer with UV-stable mineral pigments. It should allow the substrate to breathe up to 90%. The product should be LEED certified with low VOC content. Opacity and colours to be validated by the architect, according to the manufacturer's standard colour chart, RAL reference or other colour charts.

TESTS

- Water-repellency (LRVision)
- Oil resistance (LRVision)
- Abrasion resistance (LRVision)
- UV resistance (LRVision)
- Fire test (Crepim)
- VOC emissions / LEED certification (Eurofins)
- Chloride resistance (LMDC)
- Water absorption in concrete (SIMCO)

ENVIRONMENTAL PRODUCT DECLARATION

ProtectGuard® Color has an EPD, which summarizes the information about its life-cycle environmental impact.

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application with HVLP or roller in 2 to 4 layers according to the desired finish. See technical data sheet.





Two components water repellent, oil repellent and anti-graffiti. Standard shades

- Semi-transparent concrete stain
- 42 standard shades, custom-made shades
- Protects against water, stains and graffiti
- Respects minerality

SPECIFICATION TEXT

Implementation of ProtectGuard® Color AntiGraffiti or equivalent. The product should be a two-components coloured glaze that is water-repellent, oil-repellent, stain-resistant and anti-graffitis. It should be formulated with a water-borne polyurethane with UV-stable mineral pigments. It should allow the substrate to breathe up to 90%.

A clear primer like Primer Guard® or a coloured primer like Primer Guard® Color should be applied first according to the manufacturer's recommendations.

Opacity and colours to be validated by the architect, according to the manufacturer's standard colour chart, RAL reference or other colour charts.

TESTS

- Water-repellency (LRVision)
- Oil resistance (LRVision)
- Abrasion resistance (LRVision)
- UV resistance (LRVision)
- Water absorption (LRVision)
- Fire test (Crepim)
- Chloride resistance (LMDC)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application with HVLP or roller in 2 to 4 layers according to the desired finish. See technical data sheet.





Water and oil repellent
concrete stain.
High jewellery shades

- Semi-transparent concrete stain
- 32 high jewellery shades, custom-made shades
- Protects against water and stains
- Non film-forming, respects minerality

SPECIFICATION TEXT

Implementation of ProtectGuard® Color High Jewellery or equivalent. The product should be a coloured glaze that is water-repellent, oil-repellent and stain-resistant. It should be formulated with an acrylic resin and water-borne fluorinated acrylic copolymer with UV-stable mineral pigments. It should allow the substrate to breathe up to 90%. Opacity and colours to be validated by the architect, according to the manufacturer's High Jewellery colour chart, RAL reference or other colour charts.

TESTS

- Water-repellency (LRVision)
- Oil resistance (LRVision)
- Abrasion resistance (LRVision)
- UV resistance (LRVision)
- Fire test (Crepim)
- Chloride resistance (LMDC)
- Water absorption in concrete (SIMCO)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application with HVLP or roller in 2 to 4 layers according to the desired finish. See technical data sheet.





Clear surface protector
for porous materials

- Protects against water, stains and graffiti
- Non film-forming, respects minerality
- Clear finish
- LEED certified (VOC rating A+)

SPECIFICATION TEXT

Application of a clear water-based impregnating sealer based with acrylic fluoropolymer technology which is water repellent, stains repellent and antigraffiti. It is a semi-permanent antigraffiti which can resist to 5 graffiti removals. It contains no or very low VOC, it is LEED certified and A+ for VOC emissions at 28 days as per the ISO 16000 standard. It shall be food safe tested by a laboratory such as LNE. It shall leave the surface breathing at more than 90%, and it shall be fully biodegradable according to the standard OCDE 302 B. The product like ProtectGuard® or similar shall have been tested by a historical monument institute and shall have been applied successfully on historical monuments.

TESTS

- Water-repellency (CEBTP)
- Water absorption (Historical Monuments Laboratory)
- Water-repellency, stain resistance, graffiti resistance, slipperiness test, capillary absorption, durability (LRVision)
- VOC emissions / LEED certification (Eurofins)
- Food safety test (LNE)
- Chloride resistance (LMDC)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in 1 to 2 layers with a sprayer, brush or roller. See technical data sheet.

ENVIRONMENTAL PRODUCT DECLARATION

ProtectGuard® has an EPD, which summarizes the information about its life-cycle environmental impact.





Clear surface protector
for low-porous
materials

- Protects against water, stains and graffiti
- Non film-forming, respects minerality
- Clear finish
- LEED certified (VOC rating A+)

SPECIFICATION TEXT

Application of a clear water-based impregnating sealer which is water repellent, stains repellent and anti-graffiti. It is a semi-permanent anti-graffiti based with acrylic fluoropolymer technology which can resist to 5 graffiti removals and abrasion. It contains no or very low VOC, it is LEED certified and A+ for VOC emissions at 28 days as per the ISO 16000 standard. It shall be food safe tested by a laboratory such as LNE. It shall leave the surface breathing at more than 90%, and it shall be fully biodegradable according to the standard OCDE 302 B. The product like ProtectGuard® HD or similar shall have been used on historical buildings and public squares.

TESTS

- Water-repellency, stain resistance, graffiti resistance, slipperiness test, capillary absorption, durability (LRVision)
- VOC emissions / LEED certification (Eurofins)
- Food safety test (LNE)
- Fire test (BTTG)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in 1 layer with a sprayer, brush or roller. See technical data sheet.





Clear surface protector
for very low-porous
materials

- Protects against water, stains and graffiti
- Non film-forming, respects minerality
- High resistance to abrasion
- Clear finish
- Food safe
- LEED certified (VOC rating A+)

SPECIFICATION TEXT

Application of a clear water-based impregnating sealer which is water repellent, stains repellent and antigraffiti. It is based with acrylic fluoropolymer technology.

The product like ProtectGuard® MG Eco or similar should be formulated for the protection of very low porous materials: rough or honed marble, granite, slate, travertine, basalt...

It contains no VOC and A+ for VOC emissions at 28 days as per the ISO 16000 standard. It shall be biodegradable to 70% and shall be food safe tested by a laboratory such as LNE.

On crystallized or polished materials, prefer ProtectGuard® MG.

TESTS

- Water-repellency, stain resistance, graffiti resistance, slipperiness test, capillary absorption, durability (LRVision)
- Biodegradability test (6temic)
- Food safety test (LNE)
- VOC emissions (Eurofins)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in one layer with a roller, a brush, a microfiber cloth or a flat mop. See technical data sheet.



PROTECTGUARD® FC 24H
FRESH CONCRETE

Clear surface protector
 for fresh or young
 concrete

- Specially adapted for alkaline materials
- Protects against water and stains
- Limits efflorescences
- Sacrificial antigrffiti layer
- Non film-forming, respects minerality
- Clear finish

SPECIFICATION TEXT

Application of a clear water-based impregnating sealer based with acrylic fluoropolymer, silane and siloxane technology dedicated to the protection of young and alkaline porous concrete (less than 28 days and $\text{pH} > 9$). The product like ProtectGuard® FC 24H or similar shall be water repellent, stains repellent and antigrffiti (sacrificial layer).

The product like ProtectGuard® should be applied 24 hours after the concrete is poured on site or even as soon as fabricated elements are removed from the mould.

TESTS

- Stain resistance, graffiti resistance, UV ageing, natural ageing, slipperiness test, capillary absorption, durability (LRVision)

ENVIRONMENTAL PRODUCT DECLARATION

ProtectGuard® FC 24H has an EPD, which summarizes the information about its life-cycle environmental impact.

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application in one layer with a HVLP type spray gun or a brush. See technical data sheet.





Clear surface protector
for concrete.
Meets standard EN
1504-2:2004

- Protects against water, stains and graffiti
- Protects against chlorides and carbonation
- Non film-forming, respects minerality
- Clear finish

SPECIFICATION TEXT

Application of a clear impregnating sealer based on a mixed technology of fluoropolymers and alkylacoxysilane like ProtectGuard® CE special concrete or similar.

The product shall protect concrete against water, oil, staining and offer a permanent protection against graffiti (10 cycles of graffiti removal). It shall penetrate deeply into concrete and allow the surface to breathe more than 90%.

The product shall comply with the standard EN 1504-2:2004 - CE marking which has been stated by an independent laboratory such as Lucideon.

The product shall also have been tested positively with ASTM standards ASTM C642 and ASTM E96 and a historical monuments laboratory.

TESTS

- Water absorption, resistance to alkali, depth of penetration and loss of mass after freeze-thaw salt stress (Lucideon)
- Impact on water transport in concrete (SIMCO)
- Water absorption (Historical Monuments Research Laboratory)
- CE marking - standard 1504-2 (LRVision)

ENVIRONMENTAL PRODUCT DECLARATION

ProtectGuard® CE has an EPD, which summarizes the information about its life-cycle environmental impact.

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet. Work carried out by a trained and approved company will benefit from a 10-year AXA contractual guarantee of good performance.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in one or two layers with a low pressure sprayer with Viton joint, an airless sprayer, a roller or a brush. See technical data sheet.





Clear concrete stain

- Protects against water, stains and graffiti
- High resistance to abrasion
- Respects minerality
- Clear finish, flat or glossy

SPECIFICATION TEXT

Application of a clear water-based impregnating sealer based with acrylic fluoropolymer and siloxane dedicated to the protection of concrete, GRC and UHPC against water and staining like ProtectGuard® WF Special Concrete or similar.
 The product shall have been tested by a laboratory such as LRVision and proven exceptional anti-stain performances.

TESTS

- Water-repellency, stain resistance, graffiti resistance, slipperiness test, capillary absorption, durability (LRVision)

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application in two layers with an applicator, an HVLP spray gun or an air assisted gun. See technical data sheet.





Single component permanent anti-graffiti solution

- Permanent anti-graffiti protection
- Graffiti removal with water only without chemical
- Protects against water and stains
- High resistance to abrasion
- Flat or glossy finish

SPECIFICATION TEXT

Application of a water-repellent, stains repellent and anti-graffiti product on porous, low porous or non porous surfaces such as concrete, stone, paint, render, bricks...

This product shall be based with silicone elastomer and siloxane like SuperAntiGraffitiGuard® Multi Surface or similar.

The product shall be a permanent anti-graffiti solution which withstands 20 graffiti removal cycles and which has been tested by RATP (Paris Metro) laboratory. It shall be conform to EN 13501-1 standard and to B-s1, d0. M1 fire-rating classification.

Graffiti shall be easily removed with water only with maximum pressure of 100 bars.

Super AntiGraffiti® Guard exists in flat or glossy finish.

Super AntiGraffiti® Guard requires no primer but in exceptional case primers could be used prior to Super AntiGraffiti® Guard : S100 to reduce colour enhancement/ S200 to improve adhesion on low porous surfaces, S300 on special surfaces...

APPLICATION

Implementation according to the manufacturer's recommendations and technical information sheet.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application in one layer with an Airless atomiser or short-nap lacquer roller, completely dry. See technical data sheet.

TESTS

- Resistance to graffitis (RATP Paris Metro laboratory)
- Fire test (Crepim)





Decontamination
and purification of
internal air

- Effective against formaldehydes, BTEX, NOX
- Purifies indoor air
- Respects minerality
- Clear finish
- VOC rating A+

SPECIFICATION TEXT

Application of an air purification product based on photocatalysis technology with strong autoclean properties on concrete, mortar, paint, stone, bricks, terracotta or render for indoor use.

It is based with water and special TIO₂. It is uncoloured and non film-forming like DtoxGuard® Int or similar.

It is non toxic and contains no VOC and is A+ for VOC emissions at 28 days as per the ISO 16000 standard.

The product shall have been tested by an external institute such as Insa for purification performance on NOX (nitric oxide), BTEX (Benzene, Toluene, Ethylbenzene, Xylene) and formaldehyde.

Air purification performance shall have been established under different visible light such as UV light, fluo light, halogen and Led lights with ISO 22197 standards.

TESTS

- NO decomposition in artificial lighting - ISO 22197 (LMDC laboratory)

APPLICATION

Application according to the manufacturer's literature and data sheet.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in 2 to 3 layers with a brush or roller. See technical data sheet.





Decontamination
and purification of
external air

- Pollution removal by photocatalysis
- Purifies outdoor air
- Self-cleaning properties
- Respects minerality
- Clear finish
- LEED certified

SPECIFICATION TEXT

Application of an air purification product based on photocatalysis technology with strong autoclean properties on concrete, mortar, paint, stone, bricks, terracotta or render.

The product shall be invisible, based with water and special TIO₂. It shall be LEED certified and be non toxic like DtoxGuard® Ext or similar.

TESTS

- Photocatalytic properties (decomposition of NO, BTEX), abrasion resistance, ecogenotoxicology, superhydrophilicity, resistance to algae (LRVision laboratory)
- VOC emissions (Eurofins)

APPLICATION

Application according to the manufacturer's literature and data sheet.

Substrate preparation :

- The conditions of application and preparation of substrates comply with DTU 59.1.
- Removal of efflorescence and cement residue with Guard Remover® Eco Efflorescence & Cement or equivalent.
- Removal of existing paint with Guard Remover® Eco VG Painted Surfaces or equivalent.
- Removal of organic soiling with Guard Wash® or equivalent.
- Removal of greasy stains and residues of form oil with Guard Cleaner® Eco Soiled Floors, Guard Cleaner® Polluted Facades or equivalent.

Application to saturation in 2 to 3 layers with a HVLP sprayer, a brush or roller. See technical data sheet.



We support you
through all stages of
your project



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