chryso
SAINT-GOBAIN

When Durability Meets Design

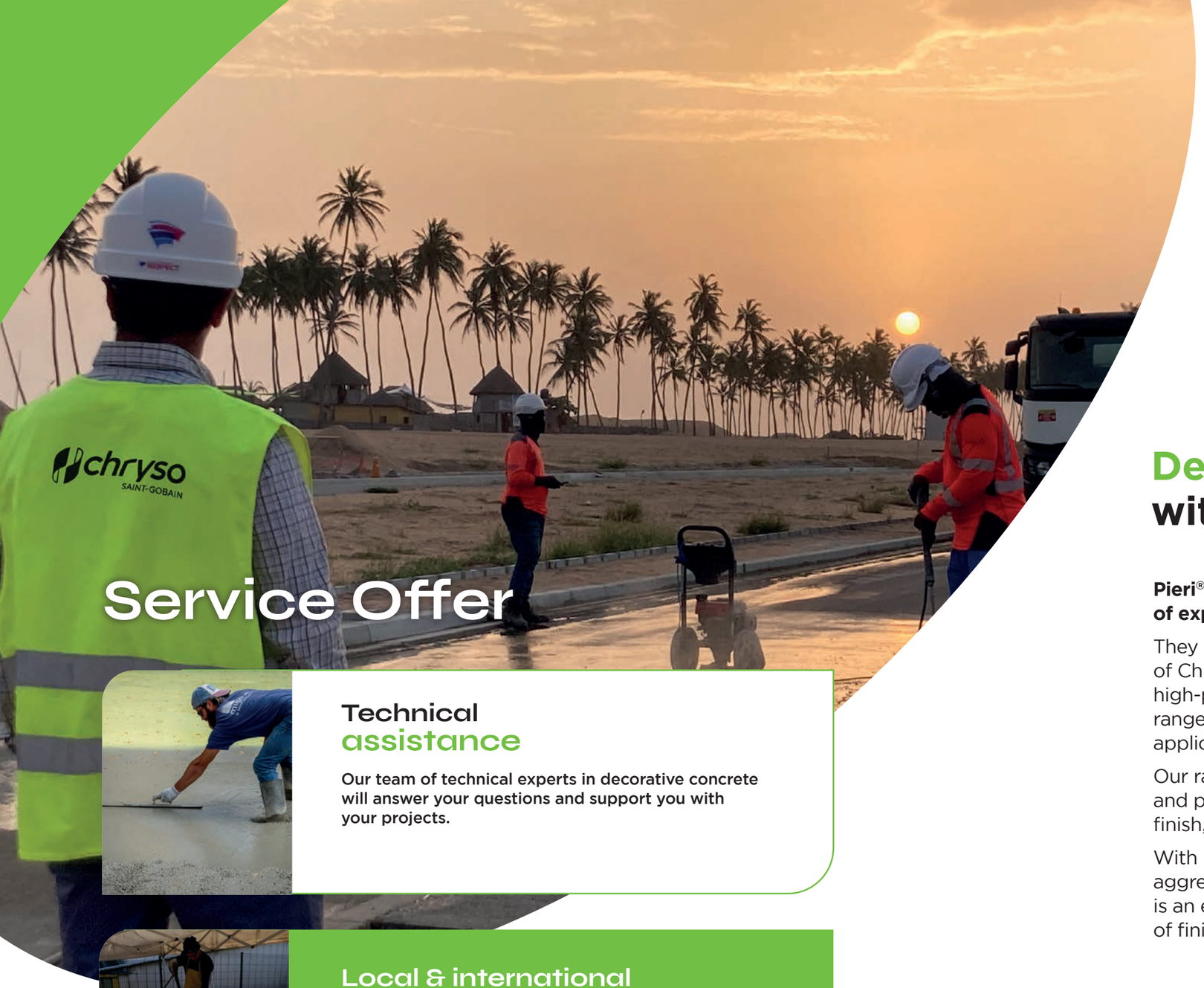


Architect: Wilmotte & Associés • Photo ©Ecliptique-Laurent Thion

SURFACE RETARDERS

Pieri®VBA range

SAINT-GOBAIN



Service Offer

Technical assistance

Our team of technical experts in decorative concrete will answer your questions and support you with your projects.



Local & international trainings

Training sessions are provided by our Technical teams and enable concrete professionals and new comers to rapidly learn about the latest evolutions of materials and extend their decorative concrete offer.

Design meets performance with Pieri®VBA solutions

Pieri® product lines are backed by more than 50 years of experience in the field of decorative concrete.

They now leverage the combined strength and expertise of Chryso and GCP. This powerful synergy delivers an innovative, high-performance portfolio, offering professionals a complete range of cutting-edge solutions for every decorative concrete application.

Our range of surface retarders for exposed aggregate and protective solutions ensures an attractive and durable finish, tailored to the architect's designs and choices.

With its attractive, textured, and colorful surfaces, exposed aggregate concrete using our dedicated Pieri®VBA range is an excellent choice for outdoor projects, offering a wide range of finishes and unlimited customisation options.

PRODUCT RANGE

Pieri®VBA Flex

Aqueous phase surface retarders

Pieri®VBA Flex is a range of environmentally responsible surface retarders adressing the challenge of better water management. It offers unique flexibility with three washing methods, helping to reduce water consumption in line with environmental requirements and site constraints.



CURING PERFORMANCE

Highly effective curing
>75% at 6h & >65% at 24h

Indicative performance figures based on in-house tests carried out in accordance with the Chryso protocol on binders representative of the market.

BIODEGRADABILITY

Environmentally friendly products, with biodegradability exceeding 60% after 28 days in accordance with standard NF EN ISO 9408.

BENEFITS

- Biodegradable: >60% after 28 days according to NF EN ISO 9408
- 8 etches available
- Significant reduction in water consumption (Up to 80%)
- Flexible washing methods
- Numerous customization options available

WASHABLE

- Brushing and/or water rinsing
- 4 to 48h

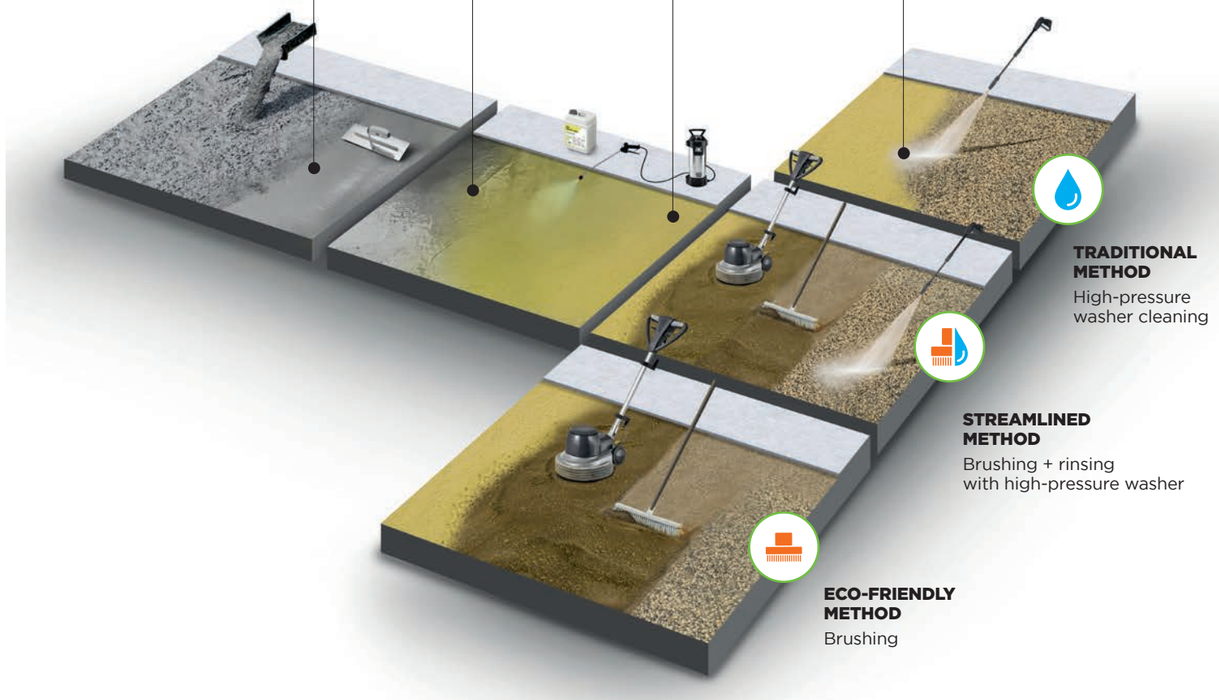
4 main steps

1 Concrete pouring
Pouring and smoothing fresh concrete.

2 Application
The retarder is sprayed onto the freshly poured concrete.

3 Setting
While the main body of the concrete slab cures and hardens, the top "skin" of cement paste remains soft and malleable.

4 The Reveal
After a set period (usually 4 to 48 hours*), the soft surface paste is washed away with a high-pressure water jet or scrubbed off with a brush, leaving the embedded aggregates visible and clean.



** The final result depends on the concrete formulation, weather conditions, and washing timing. A sample test is recommended beforehand.*

PRODUCT RANGE

Pieri®VBA Lav

Aqueous phase surface retarders

Pieri®VBA Lav is a proven range of surface retarders, suitable for all aggregate sizes and thus meeting a variety of aesthetic requirements.

CURING PERFORMANCE

Satisfactory curing performance
>45% at 6h & >35% at 24h

Indicative performance figures based on in-house tests carried out in accordance with the Chryso protocol on binders representative of the market.





BENEFITS

- Proven and easy-to-use solution
- 9 different etches
- Numerous customization options available

WASHABLE

- With high water pressure jet
- 4 to 24h



4 main steps

1 Concrete pouring
Pouring and smoothing fresh concrete.

2 Application
The retarder is sprayed onto the freshly poured concrete.

3 Setting
While the main body of the concrete slab cures and hardens, the top "skin" of cement paste remains soft and malleable.

4 The Reveal
After a set period (usually 4 to 24 hours*), the soft surface paste is washed away with a high-pressure water jet, leaving the embedded aggregates visible and clean.

** The final result depends on the concrete formulation, weather conditions, and washing timing. A sample test is recommended beforehand.*

PRODUCT RANGE

Pieri®VBA Bio 2

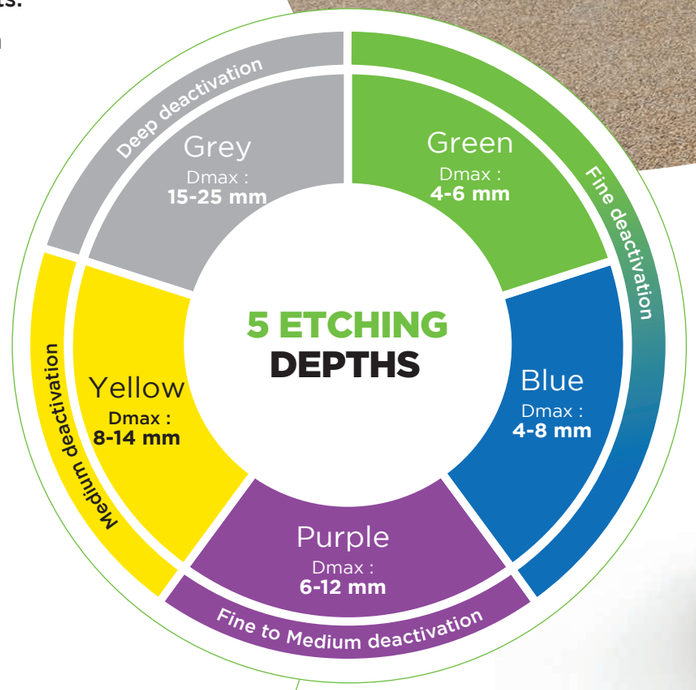
Biodegradable in accordance with NF EN ISO 9408 (>60% within 28 days)

Vegetal-based surface retarder

Pieri®VBA Bio 2 is a biodegradable product (in accordance with NF EN ISO 9408 >60% within 28 days) free of any solvents.

The resulting surfaces are perfectly even and can be easily washed 24 hours after pouring, regardless of the atmospheric conditions at the time.





CURING PERFORMANCE

Highly effective curing
>75% at 6h & >65% at 24h

Indicative performance figures based on in-house tests carried out in accordance with the Chryso protocol on binders representative of the market.

BIODEGRADABILITY

Environmentally friendly products, with biodegradability exceeding 60% after 28 days in accordance with standard NF EN ISO 9408.

BENEFITS

- Biodegradable: >60% after 28 days in accordance with NF EN ISO 9408
- 5 etches available

WASHABLE

- With high water pressure jet
- 12 to 48h

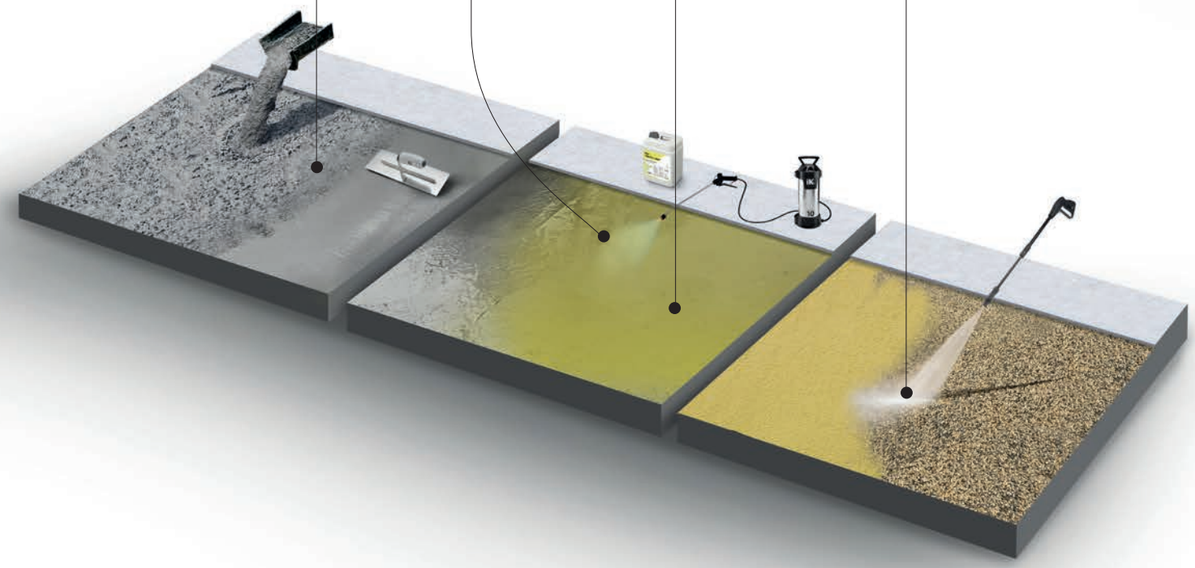
4 main steps

1 Concrete pouring
Pouring and smoothing fresh concrete.

2 Application
The retarder is sprayed onto the freshly poured concrete.

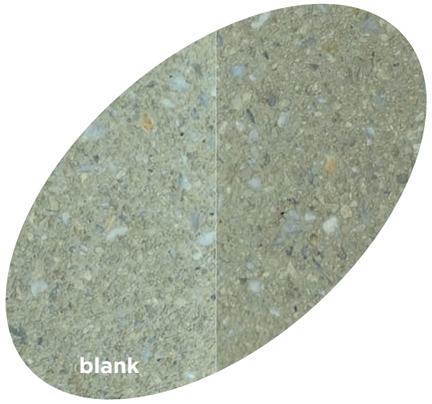
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Protection Solutions

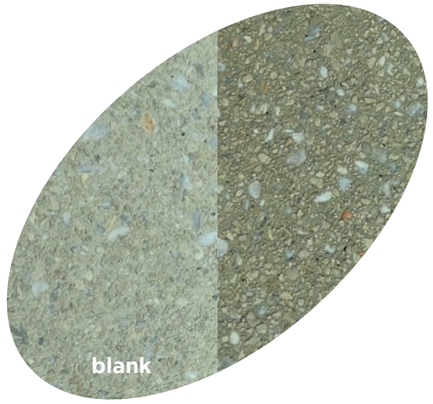


Mineralising Water & Oil repealant · Satin · Aqueous phase

Pieri®Early Protec VBA

Film-forming protection.

Increase abrasion resistance, brings stain protection, intensifies the color and a satin finish to the substrate.

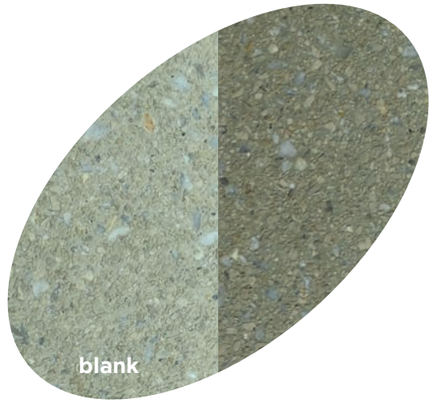


Water & Oil repealant · Satin · Solvent based

Pieri®Protec Shine

Film-forming coating.

Forms a protection bringing a wet effet and a satin finish to the substrate.

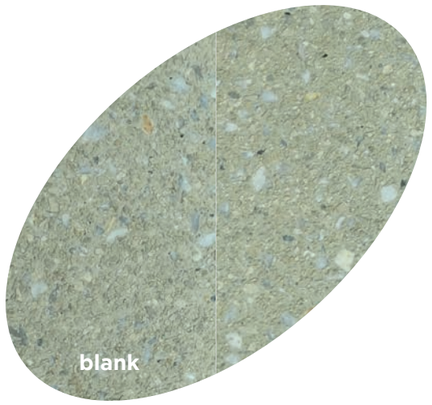


Water & Oil repealant · Mat · Solvent based

Pieri®Protec Mat

Film-forming protection.

Brings a mat finish and an intensified color to the substrate.

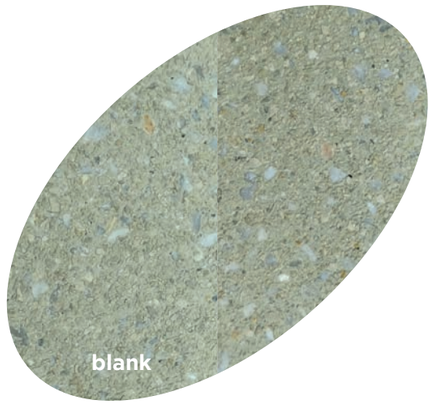


Water & Oil repealant · Invisible · Aqueous phase

Chryso®Finisol SR 200

Impregnating sealer for concrete protection against all types of stains.

A water- and oil-repellent protection treatment, designed to protect concrete – and decorative concrete in particular – against all types of stains whilst preserving the original appearance of the concrete surface.



Water & Oil repealant · Satin · Aqueous phase

Pieri®Protec Emulsion

Ready-to-use aqueous film-forming coating.

Protects surfaces from all types of stains, helps to reduce soiling and enables floors to be cleaned thoroughly. Gives a satin finish.



Mineralising · Invisible · Aqueous phase

Pieri®SD 500

Ready-to-use impregnation product in aqueous solution form.

Significantly increase abrasion resistance. After drying, the substrate keeps its natural look, and the product is invisible.

Site cleanup



Pieri®VBA Bio Protector

Biodegradable in accordance with NF EN ISO 9408 (>60% within 28 days)

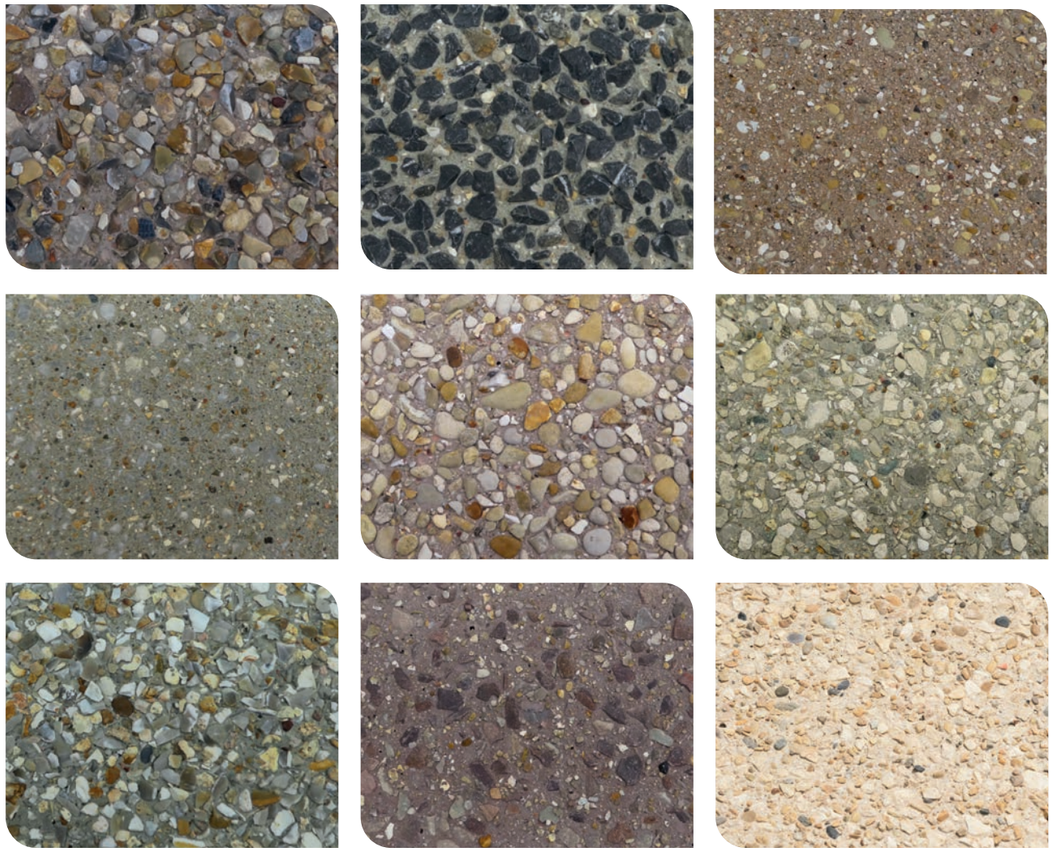
Biodegradable* multi-purpose protection for roadworks.

Makes it easier to clean up edges, joint patterns and the areas around paving during the in-situ casting of concrete.

* *Ultimate biodegradability of over 60% within 28 days, in accordance with standard NF EN ISO 9408 and OECD 301 F*

*The photographs shown in this brochure are for illustrative purposes only and are not intended as an exact representation of the final result. Actual appearance, colour, texture and finish may vary according to substrate conditions, application techniques, environmental factors and product usage. It is recommended that a preliminary test be carried out to verify suitability and appearance under the specific conditions of the intended application.

Some examples:
design you own finish



Complementary
solutions



Tailor made concrete
colours & textures

Our laboratory can meet any colour requirements with its comprehensive range of mineral pigments and its on-demand colour creation service.

Jobsite References



Parco Burton
Perugia - Italy

Marques Avenue
Roman-sur-Isère - France



Qatar Foundation

Al Rayyan - Qatar





Place de la liberté

Valence - France

Piazzale Pablo

Parma - Italy



Lakefront

Garda Lake - Italy

Château Cheval Blanc

Saint-Émilion - France



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