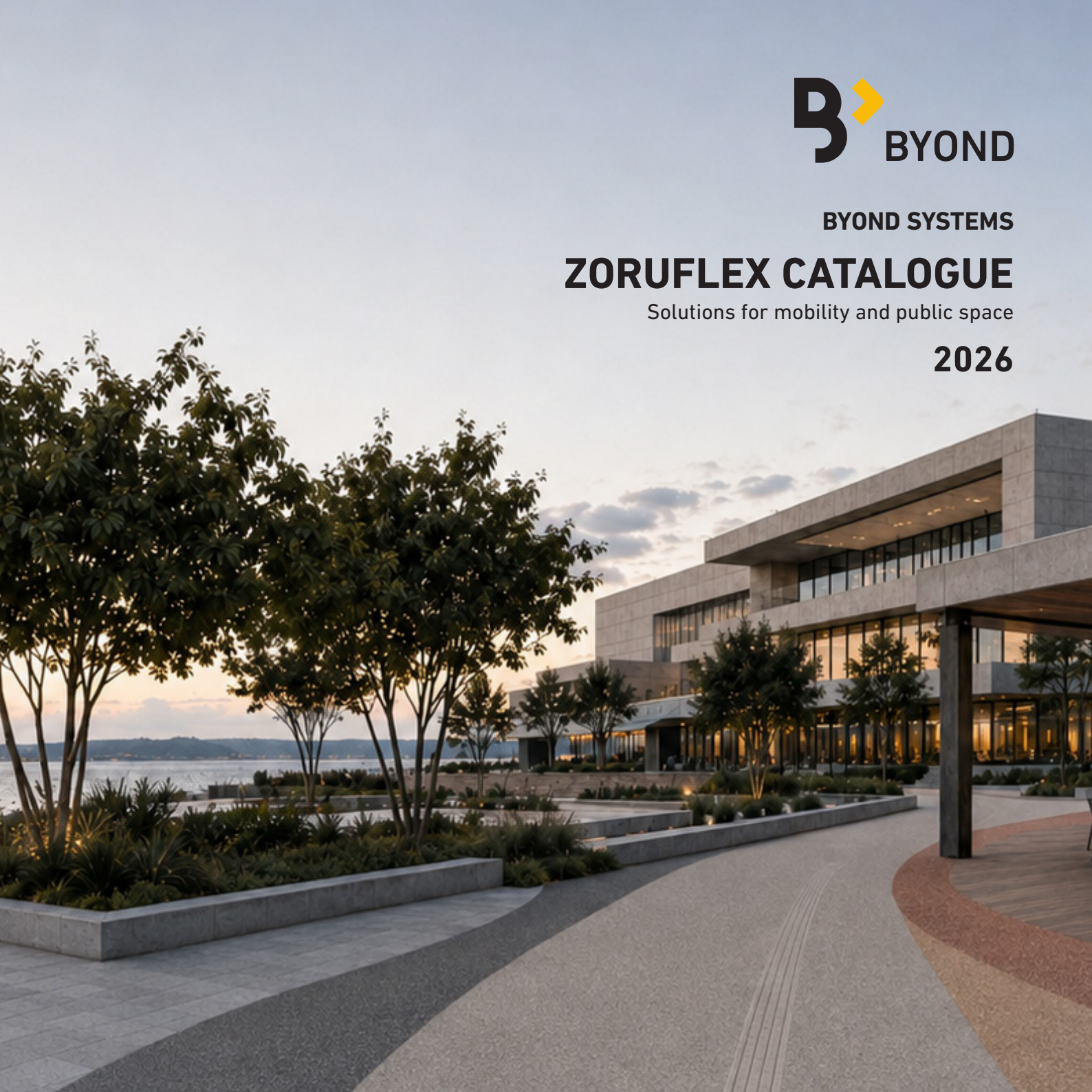
BYOND

BYOND SYSTEMS

ZORUFLEX CATALOGUE

Solutions for mobility and public space

2026



INDEX

03 BYOND AND ZORUFLEX

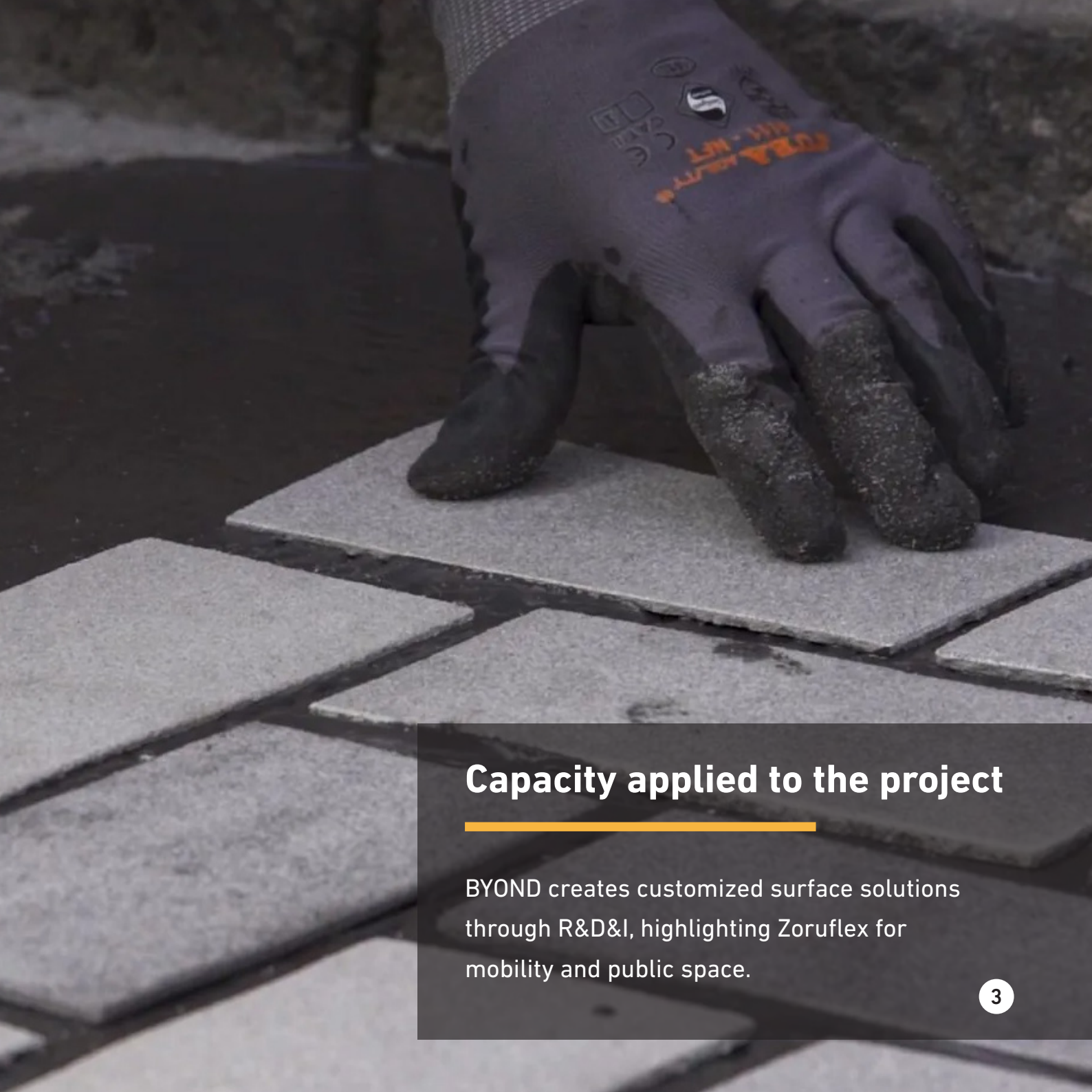
09 ZORUFLEX CONTINUO

17 ZORUFLEX PREFORMED

26 ROAD SAFETY

34 SUSTAINABILITY AND TECHNICAL SUPPORT

40 PROJECTS



Capacity applied to the project

BYOND creates customized surface solutions through R&D&I, highlighting Zoruflex for mobility and public space.



What is Zoruflex?

Zoruflex (by BYOND) offers on-site applied, preformed, and road safety surface solutions. It adapts to each project according to its use, traffic, and environment, combining technical functionality with aesthetic and spatial integration





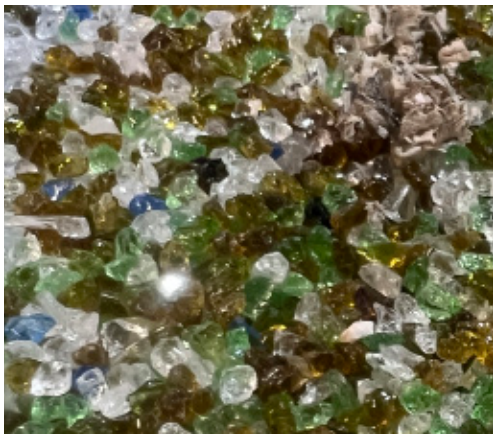
Sustainability and circular economy

REDUCE
Plan the intervention and avoid unnecessary processes or replacements when the technical diagnosis allows it.

RE-USE
Assess the existing support and rehabilitation possibilities before replacing it, provided it is technically feasible.

RECYCLE
Incorporate recovered raw materials, such as recycled glass, into solutions whose formulation includes it.

Sustainability is integrated into every intervention as a key criterion to optimize resources and offer solutions tailored to the real needs of the project.



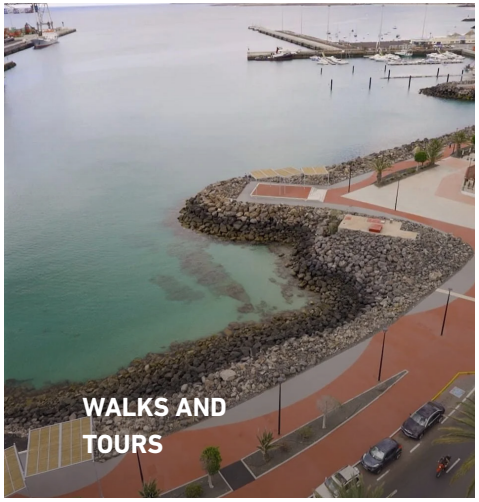




Where Zoruflex operates

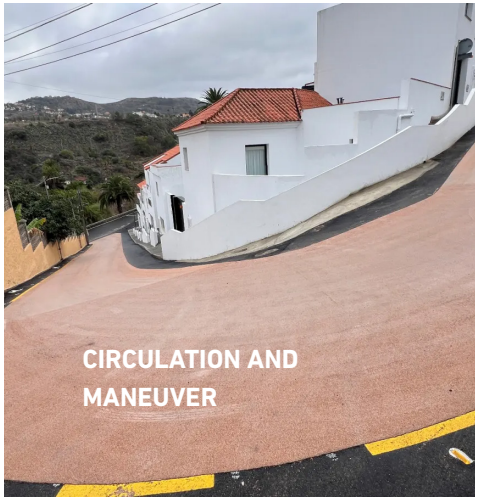
Zoruflex adapts to each public space and type of mobility, configuring the final solution according to the use, traffic, and needs of the intervention.





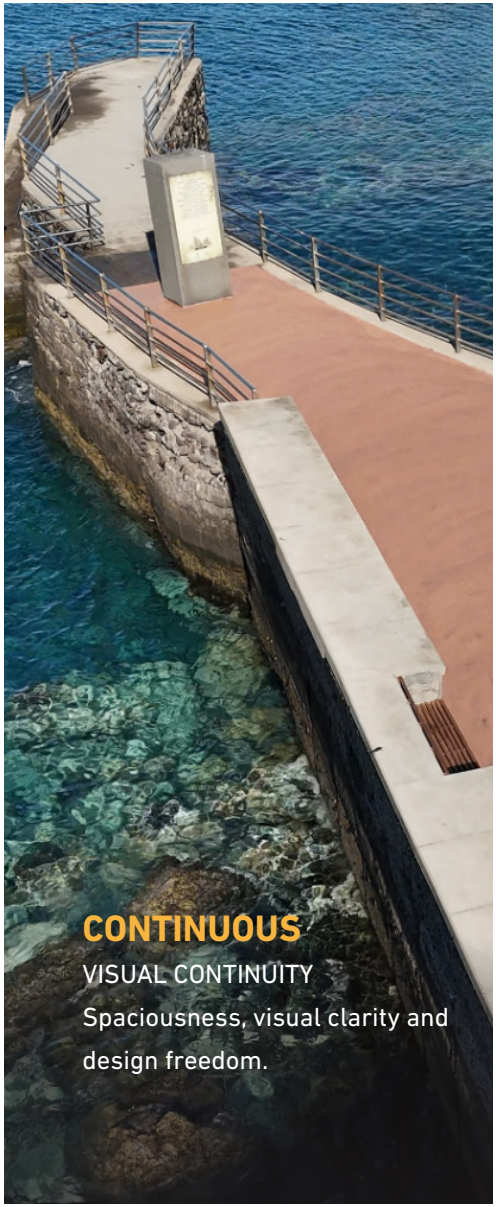








Zoruflex is structured around three main solutions. Each one responds to a different logic of design, installation, and surface behavior.



CONTINUOUS

VISUAL CONTINUITY

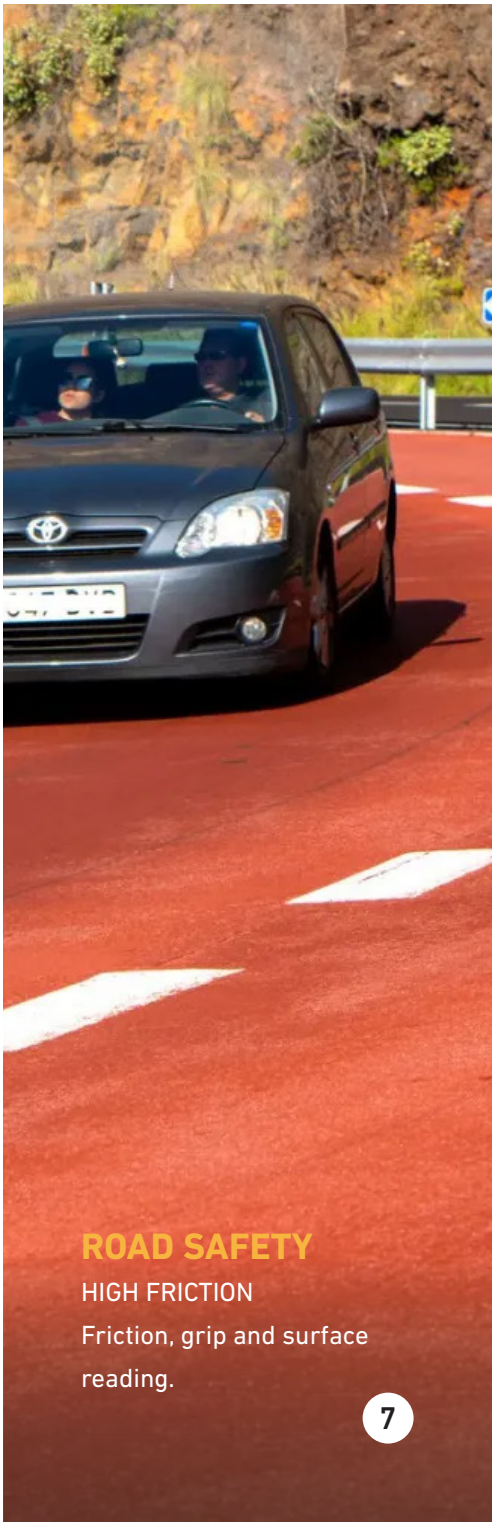
Spaciousness, visual clarity and design freedom.



PREFORMED

MODULAR DESIGN

Custom patterns and quick installation.



ROAD SAFETY

HIGH FRICTION

Friction, grip and surface reading.

Each project defines the solution

Zoruflex is not intended as a one-size-fits-all solution. Before selecting a Continuous, Preformed, or Road Safety solution, it is necessary to analyze the specific characteristics of the project.



USE AND TRANSIT
Users, intensity of use and type of traffic expected.



EXISTING SUPPORT
Nature, state, stability and necessary preparation.



Environment
Location, exposure, climate, drainage and space conditions.



FUNCTION
Continuity, patterns, accessibility, delimitation or high friction.



DESIGN
Color, texture, and geometry related to the environment.



IMPLEMENTATION AND MAINTENANCE
Access, construction phases, conservation and repairability.



ZORUFLEX CONTINUO

Continuous flexible pavement: In-situ methacrylate technical coating, decorative, waterproof, non-slip and configurable for pedestrian or vehicular traffic.

- APPLICATION · Waterproof on-site execution
- MATRIX · Elastic methacrylate
- MINERAL COMPONENT · Selected Aggregates

PAVEMENT AS A CONTINUOUS PLANE

It allows you to solve geometries and paths as a visually unified surface, without depending on the repetition of pieces.



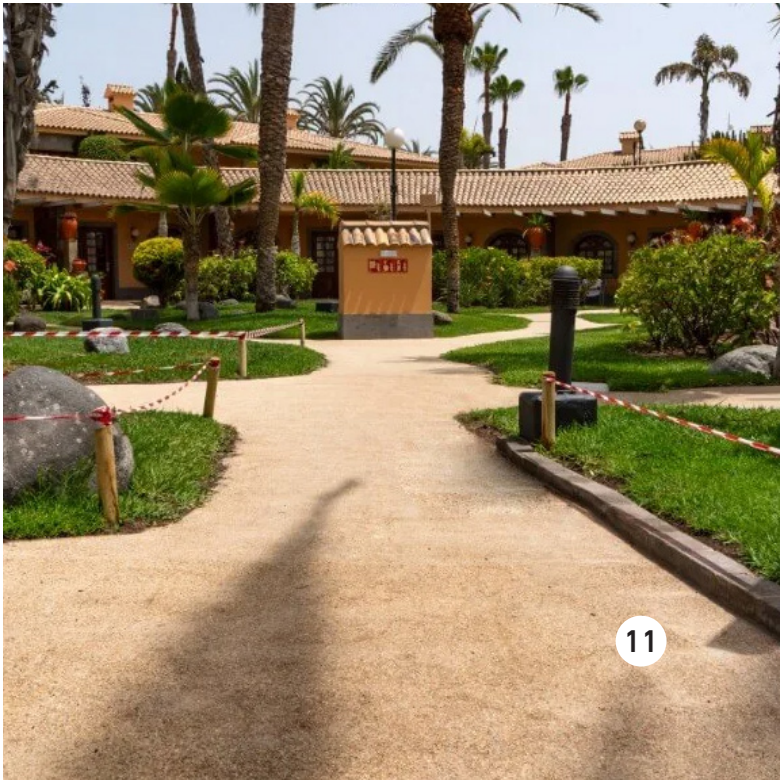
- **Geometry**
- **Continuity**
- **Finish**



CONTINUED AT ACTUAL SCALE







COLOR, ARIDITY AND TEXTURE

Each finish is defined by the selection of aggregates, color, and surface texture, according to the intended use and integration in the project.



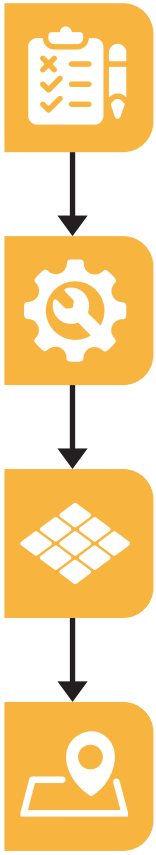






FROM SUPPORT TO FINISH

The system's behavior depends on its configuration, the conditions of the support, and the preparation carried out before the application.



SUPPORT EVALUATION
Verification of its nature, stability, cohesion, moisture and surface condition.

PREPARATION
Cleaning, sanitation and regularization according to the previous diagnosis.

JOINTS AND SINGULAR POINTS
Structural and movement joints, active cracks, junctions and drainage must be resolved through the corresponding technical detail.

CONFIGURATION AND APPLICATION
Selection of the system, aggregate and texture according to the use, exposure and execution conditions.



PROJECT CASE

REHABILITATION OF EXISTING PAVEMENT

Avenida Alcalde Antonio Rosas

Sardina Beach · Gáldar

380 m2 · Coastal public area

The project starts from an existing tiled surface in an outdoor pedestrian area next to the coast.



INTERVENTION AND OUTCOME

Zoruflex Continuous over existing tile

380 m^2 · Coral-colored finish

Avenida Alcalde Antonio Rosas

Sardina Beach · Gáldar



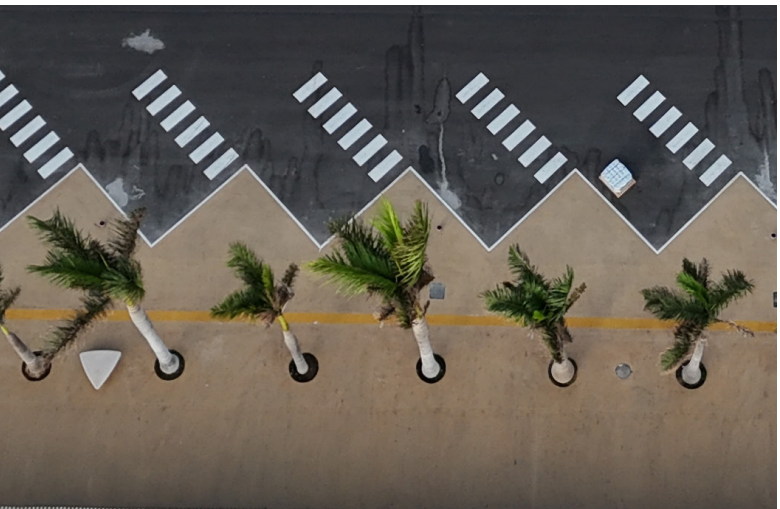


A LARGE-SCALE PROJECT

Las Palmas Cruise Terminal

Zoruflex Continuous

12,000 m^2 Project

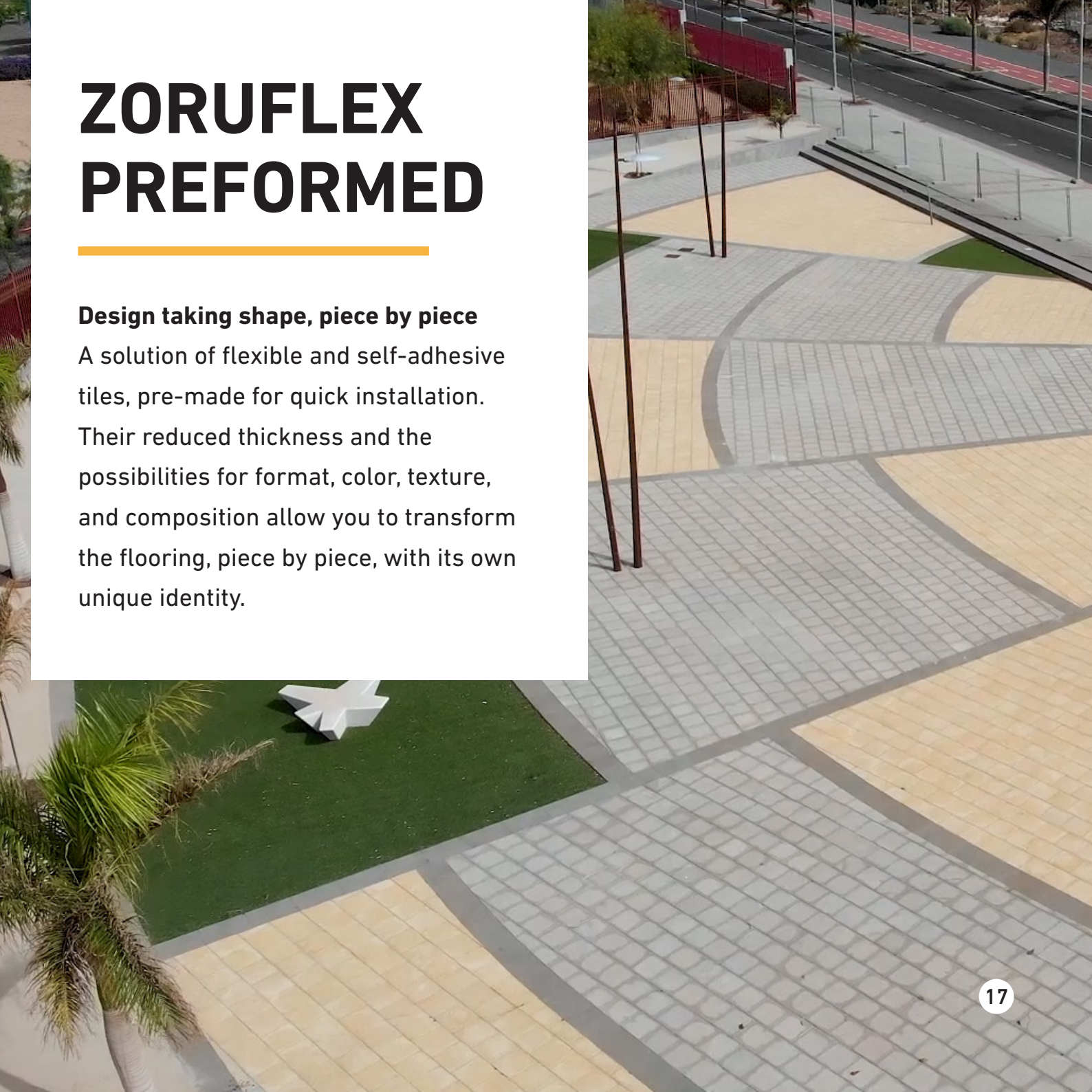




ZORUFLEX PREFORMED

Design taking shape, piece by piece

A solution of flexible and self-adhesive tiles, pre-made for quick installation. Their reduced thickness and the possibilities for format, color, texture, and composition allow you to transform the flooring, piece by piece, with its own unique identity.



FAST SETTING

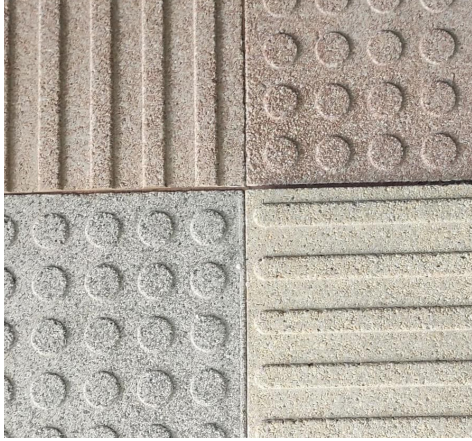
Ready to get back in operation

The pieces are prefabricated to expedite installation. Thanks to their rapid setting time, the surface can be reopened to traffic as early as 20 minutes after installation, minimizing disruption to the space.





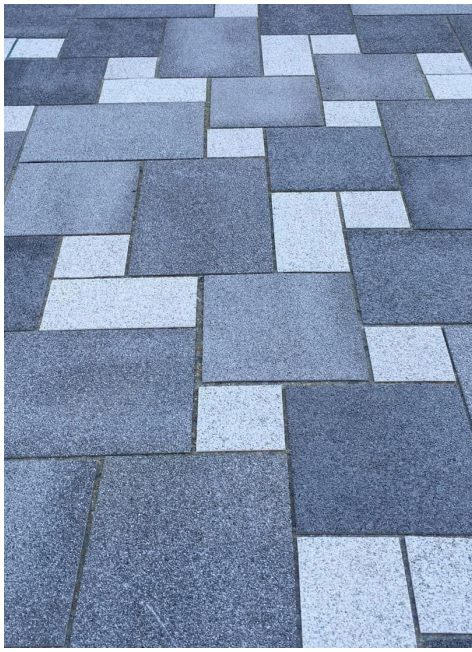




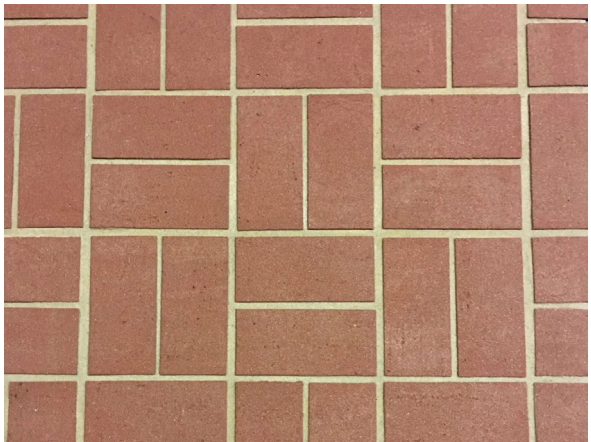


EACH SHAPE HAS A FUNCTION

Zoruflex Preformed brings together tiles, paving stones, cobblestones, and tactile paving pieces. Different types for constructing modular pavements, combining scales, and meeting urban, decorative, or accessibility needs.









THINNER, GREATER ADAPTABILITY

Zoruflex Preformed allows for the application of a thin, technical finish to various substrates, facilitating renovation projects without necessarily resorting to traditional, thicker solutions.
Its format allows it to adapt to existing surfaces and different installation configurations, depending on the project requirements.



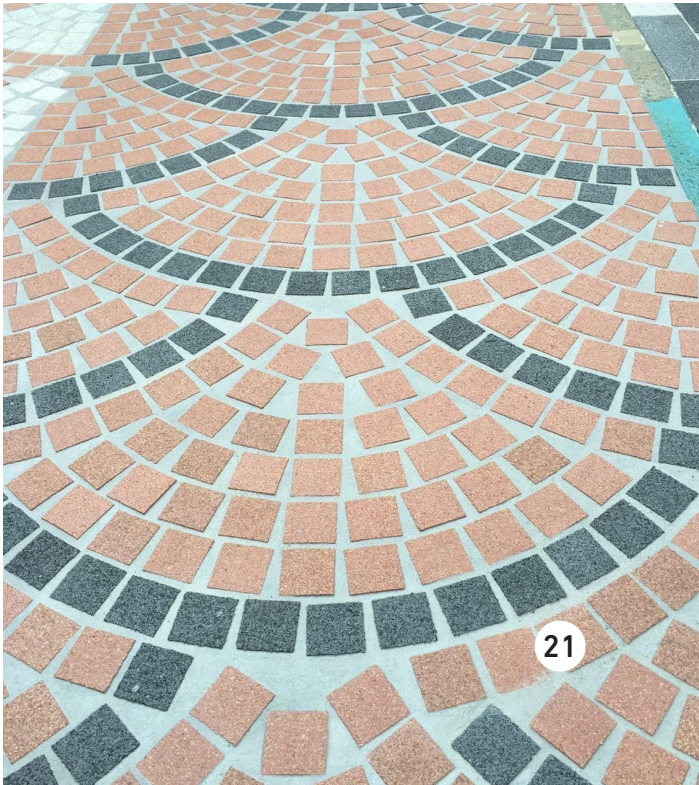






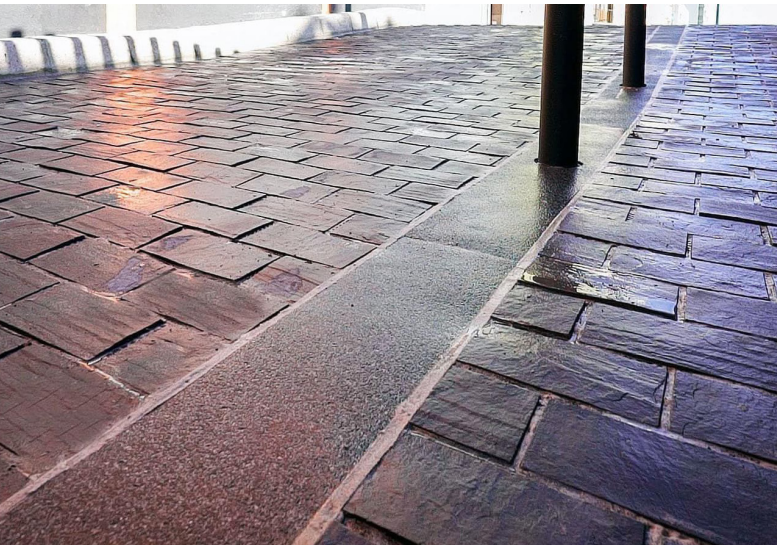
DESIGN IS BORN FROM COMPOSITION

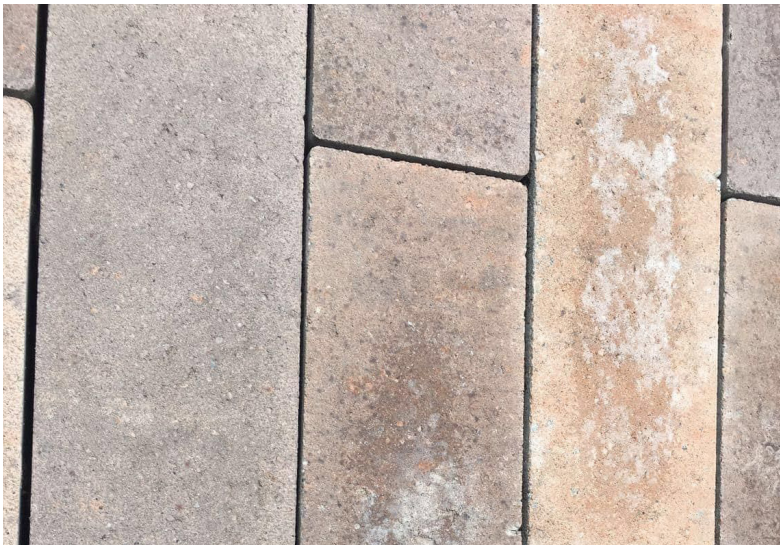
The result depends not only on the piece itself, but also on how it is oriented, repeated, and combined. Linear, herringbone, fan-shaped, or irregular compositions allow for the creation of rhythms, paths, and surfaces with their own unique visual identity.



THE FINISH DEFINES THE CHARACTER

The same geometry can take on different expressions through its surface. Smooth, aggregated, bush-hammered, flamed, or wood-effect finishes allow the material language of each piece to be adapted to the project.

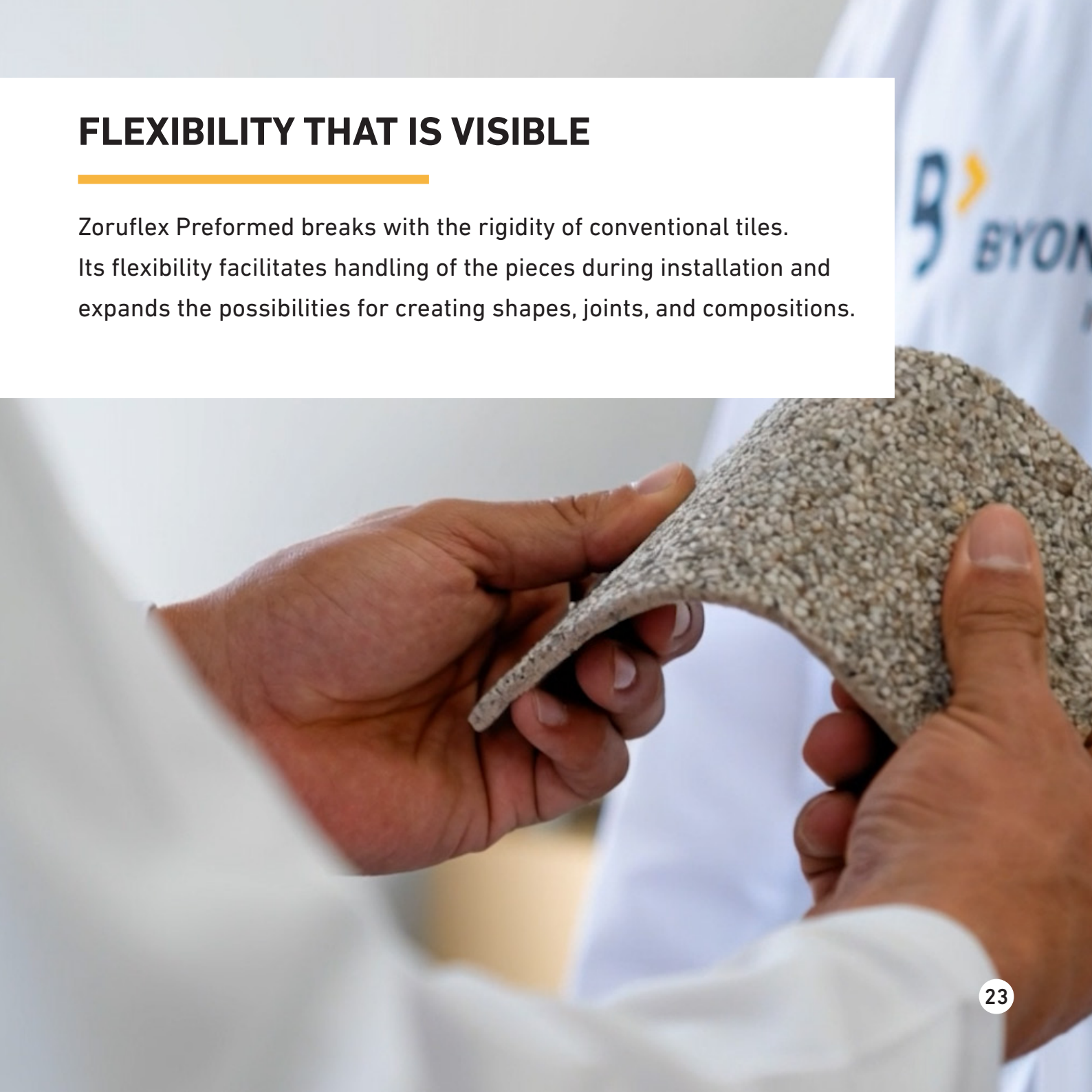






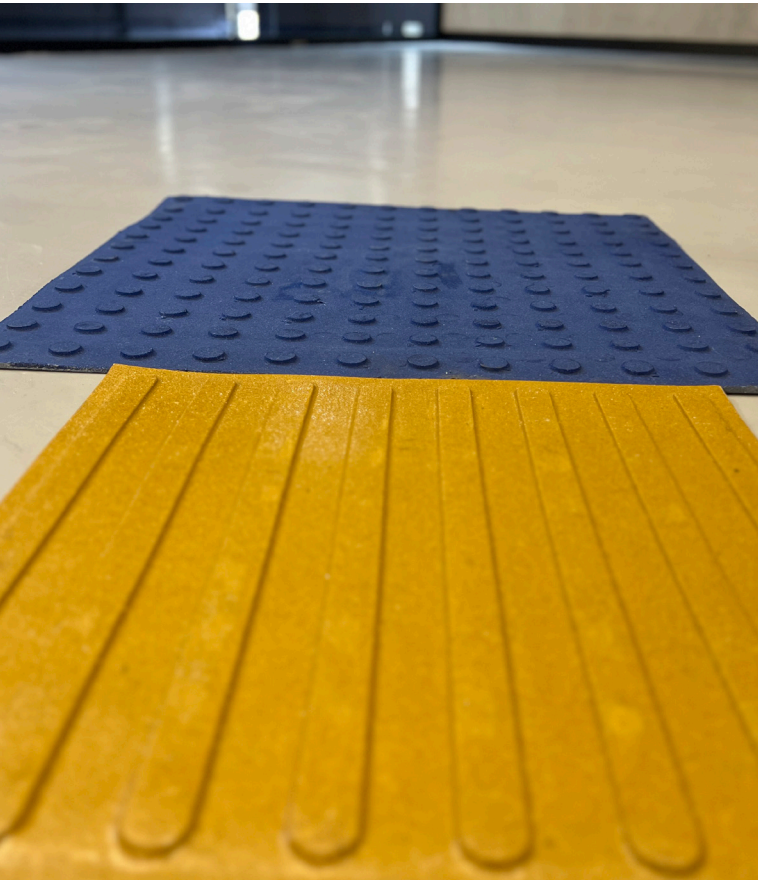
FLEXIBILITY THAT IS VISIBLE

Zoruflex Preformed breaks with the rigidity of conventional tiles.
Its flexibility facilitates handling of the pieces during installation and expands the possibilities for creating shapes, joints, and compositions.









A PAVEMENT THAT ALSO GUIDES

Zoruflex Preformed allows for the development of tactile paving elements for guidance and warning, integrating accessibility into the pavement design. The geometry, arrangement, contrast, and finish are defined according to the needs of the space and applicable regulations.



WHEN TRAFFIC DEMANDS MORE

SAN TELMO BUS STATION

Las Palmas de Gran Canaria

In a public transport station, the pavement is subjected to the continuous flow of vehicles, maneuvers, and particularly demanding daily use.

At San Telmo, Zoruflex Preformed demonstrates its ability to work on surfaces subjected to heavy traffic, taking the tile beyond exclusively pedestrian areas.



ALMOST A DECADE IN SERVICE

Street with vehicular and pedestrian traffic

Valsequillo, Gran Canaria

Zoruflex Preformed Traffic Paving · 5,000 m^2 · 2017

This project, completed almost a decade ago, demonstrates the exceptional resistance of Zoruflex paving stones to daily vehicular and pedestrian traffic. After nearly ten years of use, the pavement remains intact.

ZORUFLEX TRAFFIC

Enhanced safety for high-traffic areas
A surface treatment designed to provide texture and visual identification on curves, braking zones, slopes, and areas with high traffic volume.
It is part of comprehensive measures aimed at improving road control and safety conditions.





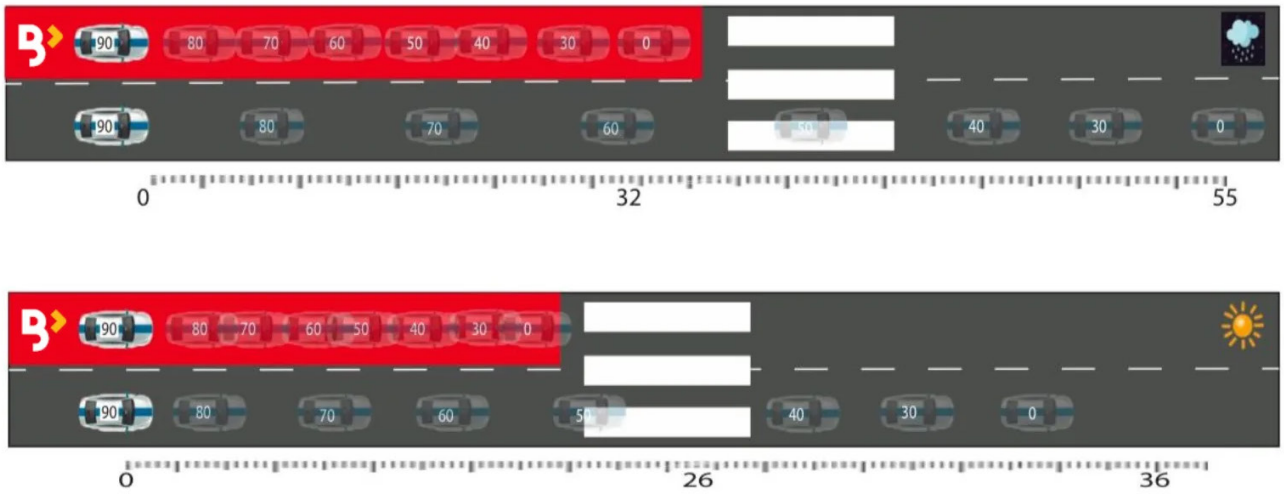
THE SURFACE WORKS

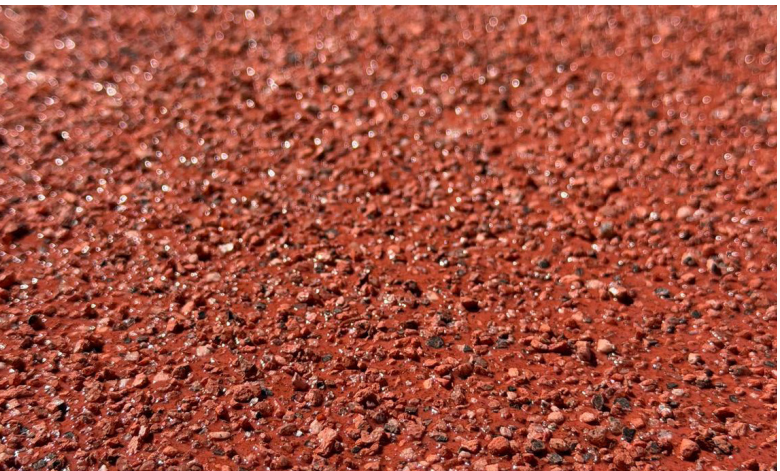
Zoruflex Traffic's configuration creates a textured surface to enhance the interaction between the tire and the pavement. It can incorporate selected natural aggregates and be tailored to the substrate, use, and application conditions.
The goal is to achieve the appropriate friction performance for the project and maintain it through proper installation and maintenance.



WHEN BRAKES MATTERS

A surface with adequate friction properties facilitates the transmission of forces during braking and can contribute to maintaining vehicle stability and control. The final response also depends on speed, tire condition, vehicle type, weather conditions, road geometry, and maintenance.









THE WAY ALSO IS READ

Color defines areas, reinforces pathways, and highlights the function of each surface (bike lanes, access points, crossings). In high-traffic areas, the visual code complements the texture to regulate movement.





SECURITY WHERE THE TERRAIN DEMANDS MORE

EL PASO CURVE

El Paso, La Palma · 2026

Zoruflex Traffic was applied to a curve in El Paso as a surface treatment as part of a project aimed at improving friction conditions and the visual readability of a demanding section.



SLOPE AND RAIN CONTROL

SANTA BRÍGIDA RAMPS

Santa Brígida, Gran Canaria

These were steep ramps that presented traction problems, especially when it rained. The intervention incorporated a textured surface designed for the conditions of use and heavy traffic.

EXPERIENCE EXECUTED

+112.000 m2

WITH ZORUFLEX SYSTEMS IN THE LAST 5 YEARS

+92.300 m2

ZORUFLEX CONTINUO

+6.400 m2

ZORUFLEX TILES / PRE-RENOVATED

+13.100 m2

ZORUFLEX TRAFFIC / ROAD SAFETY

55% PUBLIC WORKS

45% PRIVATE WORKS

FABAC-IFSTTAR Trial

3.000.000

OF PASSES



DESIGN AND EXTREME RESISTANCE

Thanks to their high-strength aggregates, our systems withstand abrasion, impact, chemicals, and thermal changes.

Approved in FABAC testing: Withstands the equivalent of 200 buses per day for 30 years (3 million loads at 65 kN).



SLIP TEST

1 WORK · 1 SAMPLE. 1 ESSAY

At BYOND, we verify the slip resistance of the solution planned for each project. Before implementation, we prepare a sample with the configuration, aggregate, and finish defined for the project.



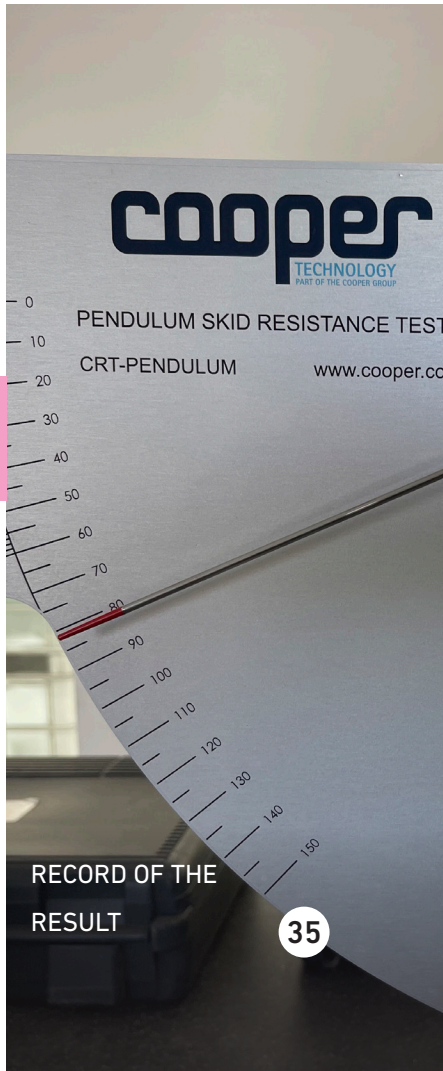
SAMPLE PREPARATION



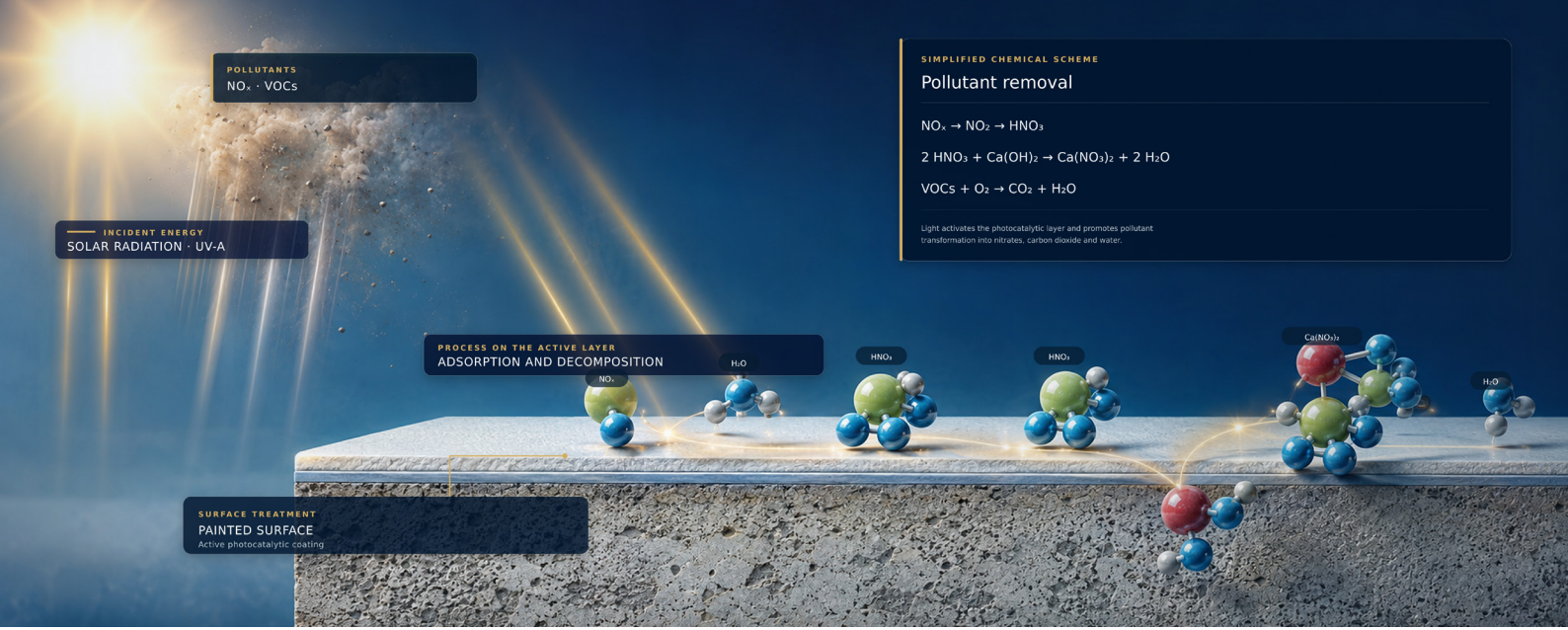
SURFACE PREPARATION



MEASUREMENT WITH THE PENDULUM



RECORD OF THE RESULT



CO2 ADSORPTION AND ACTION ON NOx

Zoruflex eliminates pollutants day and night through photocatalytic and catalytic processes. CO2 absorption efficiency analyzed and tested by the University of Alicante.



ACOUSTIC BEHAVIOR

Zoruflex reduces noise pollution in the city. Trials in public spaces confirm an effective reduction in noise compared to traditional surfaces such as cobblestones.

INDUSTRIAL CAPACITY

COLORED RECYCLED GLASS

BYOND has the capacity to select, color, and condition recycled glass, transforming it into a functional and configurable aggregate for new surfaces.

In the systems developed, colored glass completely replaces the natural aggregate fraction.
Its coloring maintains the aesthetic and chromatic versatility of colored aggregates, recovering glass and reincorporating it as a valuable material.

16 BASE COLORS · 30 COLOR MIXES
4 GLASS GRANULOMETRIES
0.4–0.7MM · 0.4–1.5MM · 0.4–2.3MM · 0.7–2.4MM

Its versatility allows for the creation of smooth, textured, monochromatic, or combined finishes for continuous flooring, signage, cladding, terrazzo, prefabricated elements, and decorative surfaces.



COMPLETE REPLACEMENT OF NATURAL AGGREGATE · RECYCLED GLASS · GREATER COLOR FREEDOM

RESEARCH AND NEW APPLICATIONS

By adjusting mechanical and chemical parameters, we develop solutions in environmental engineering, green infrastructure, filtration, and restoration. Each application is backed by specific technical tests.

IN LINE WITH THE EUROPEAN CIRCULAR TRANSITION

The Waste Framework Directive and the Circular Economy Action Plan promote waste prevention, recycling, recovery, and the use of secondary raw materials. The model developed around Zoruflex follows this approach: recovering glass, technically transforming it, and reincorporating it as a functional raw material in new surfaces.

The transition to a circular economy is also part of the environmental objectives recognized by the European Taxonomy.

Co-funded by the European Union
EU Ecolabel
erc European Research Council Established by the European Commission
HORIZONTE EUROPA
Canarias avanza con Europa

ZORUFLEX PRESCRIPTION IN PROJECTS AND PUBLIC TENDERS

Zoruflex's participation in a public tender begins during the project drafting phase.
The technician from the public agency provides us with the project specifications: intended use, condition of the substrate, traffic level, environmental exposure, waterproofing requirements, resistance, finish, and anti-slip requirements.
Our technical department analyzes these factors and proposes the paving system best suited to the project's needs.
Once the solution has been approved by the drafting technician, we prepare the necessary documentation to incorporate it into the project.

- Technical description of the work unit.
- Materials, consumption and yields.
- Execution procedure.
- Measurement and control criteria.
- System breakdown.
- Labor and auxiliary means.
- Technical specifications and features.

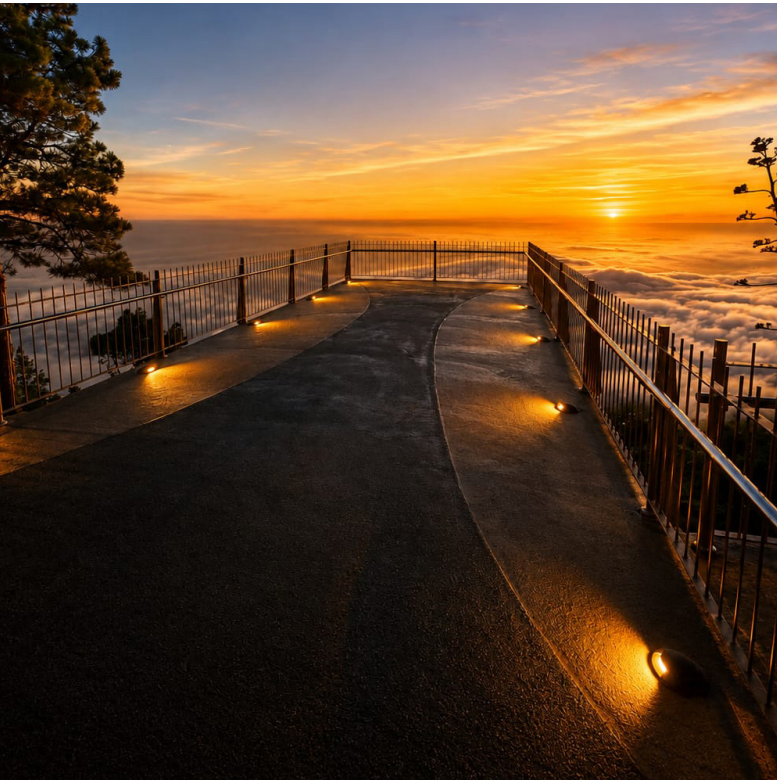







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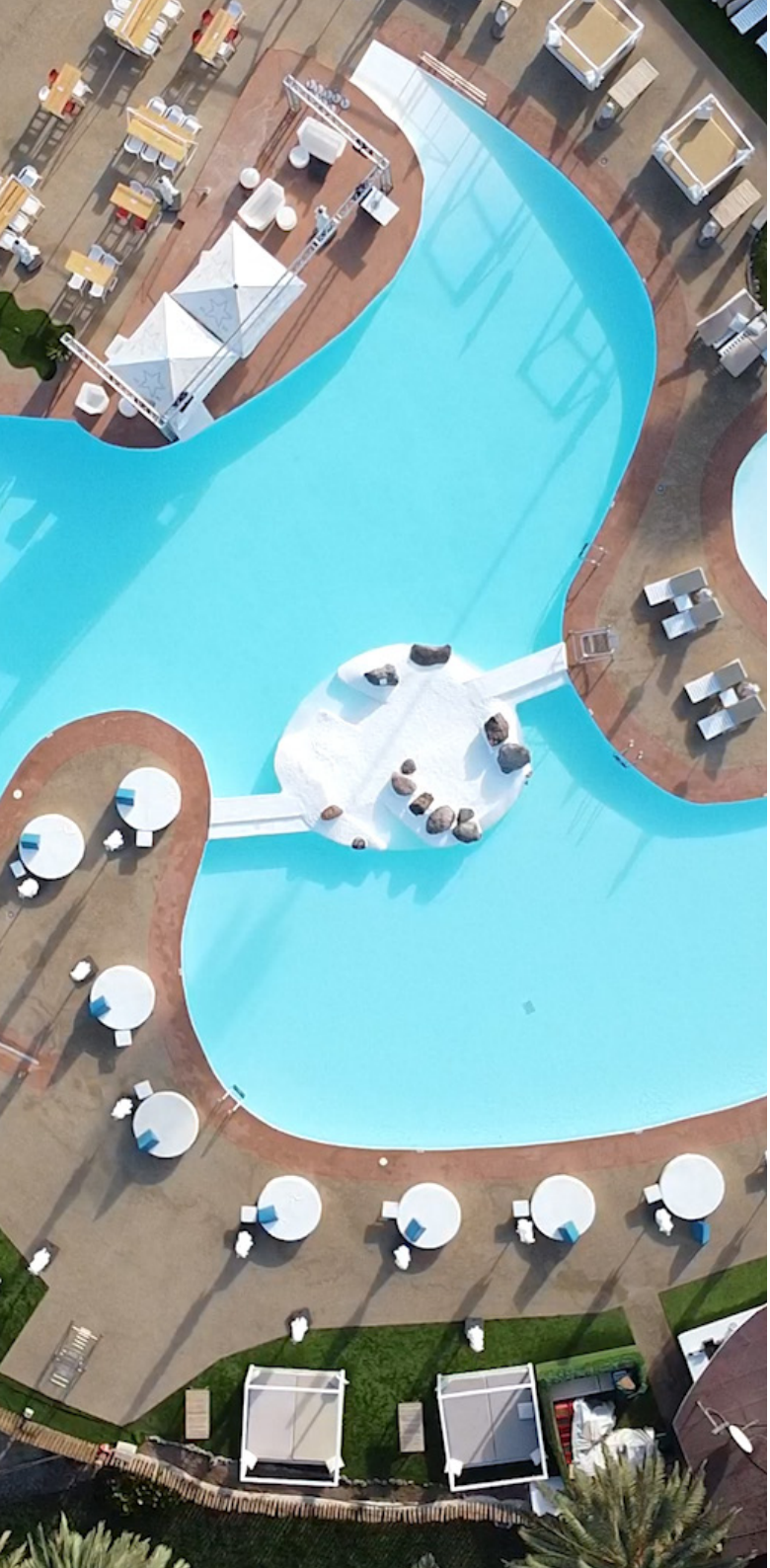














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