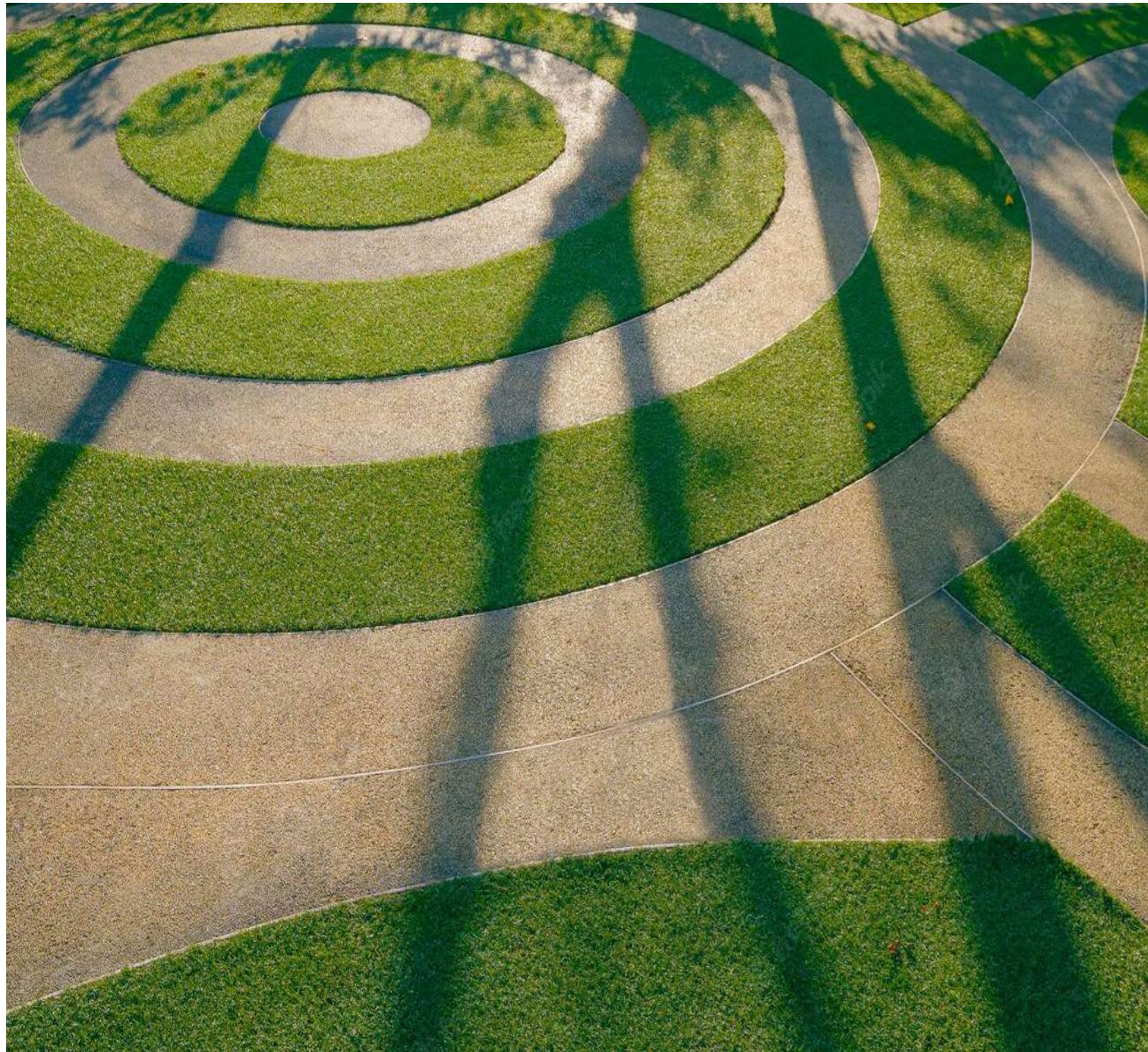




Prima
PAVIMENTI SPECIALI

PRIMA DRAIN STONE®
NATURAL DRAINING OUTDOOR FLOORING



CONTINUOUS DRAINING OUTDOOR FLOORINGS.

Prima Drain Stone®

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THE WATER PASSES, AND THE GRAVEL REMAINS.



PRIMA DRAIN STONE®

THE ECO-SUSTAINABLE DRAINING FLOORING

When renovating or building an outdoor floor for public or private spaces (a square, a pedestrian area, a public park or outdoor paths in flat complexes), the most complicated aspect of the design is choosing the most **suitable material that will provide for the drainage or filtration of rainwater**.

Essentially, the idea is to choose certified materials at the design stage that concretely contribute to improving outdoor spaces, avoiding as much as possible the creation of new impermeable (such as asphalt and concrete) and/or unstable (such as self-locking and loose gravel) surfaces.

Prima Drain Stone® is an effective answer to the requirements of sustainability and durability.

Prima Drain Stone® is a **fully permeable** outdoor flooring system that **respects the environment and the water cycle**.

Consists of natural aggregates, mainly from production waste, characterized by different grain sizes, types and colors, mixed with a special environmentally friendly binder.

PRIMA DRAIN STONE®



THE NATURAL GRAVEL

Prima Drain Stone® respects the environment and guarantees **total permeability** thanks to its components:

- a specific two-component binder that is free of pollutants and solvents, which therefore do not enter wastewater or the atmosphere;
- **natural stones** such as marble, granite, porphyry, quartz, etc., coming from other processes waste.

We use only certified products of the highest quality and first-class suppliers who are among the leaders in the sector.

Prima Drain Stone® is also a solution that contributes to the formation of LEED and respects the most important Minimum Ecological Criteria.



*Everything you can imagine, nature has already created it.
Albert Einstein*



PERMEABLE AND DRAINING SURFACE.



PRODUCT TECHNICAL DATA

- Average medium thickness 10-12 mm pedestrian - 18-20 mm vehicular use
- Color Sample
- Slip resistance UNI EN 13036-4 > 45 dry or wet flooring
- Appearance Natural
- Composition High percentage of recycled and recyclable material
- Porosity $\geq 25\%$
- Traffic Civil use max 35 quintals, however variable according to the substrates and aggregates
- Compressive strength (DIN EN 196) $18 \pm 3 \text{ N/mm}^2$
- Draining capacity About $45 \text{ dm}^3/\text{min}$ and beyond $2.500 \text{ l/m}^2/\text{min}$
- Temperature resistance (to air) $-20 \pm 60^\circ\text{C}$
- Solar reflectance index (SRI) ASTM E 1986 Variable according to the aggregate used
- Reaction to fire UNI EN 13813 Bfl-s1



Draining System



Frost Resistance



Non-slip



Eco-Friendly



Easy Cleaning

BENEFITS



COMPLETELY AND IMMEDIATELY DRAINING

The open-pored structure allows natural infiltration of rainwater into the subsoil. The drainage capacity of Prima Drena Stone® is well over 2,500 liters / m² / minute.

UV RESISTANT

Thanks to its structure and the specificity of the binders used, the aesthetic appearance always remains the same over time. This solution is not afraid of the sun's rays.

DRIVABLE AND PEDESTRIAN

Thanks to its high mechanical resistance, it is suitable for pedestrian and traffic solutions, with a maximum capacity of up to 35 quintals.

HEAD ISLAND EFFECT

The surface cools faster because the porous material facilitates the passage of air.

REDUCED EXECUTION TIMES

Compared to the usual outdoor floor coverings, the Prima Drain Stone® system allows a significant reduction in installation times, thus saving costs on the construction site.

VERSATILE AND INCLUSIVE

Customizable for inclusion, coloring, drawings, fonts, escape routes and grain size curves.

THAW AND SAFETY

Frosty. Excellent response to freeze/thaw cycles. Always dry, safe and easily passable for wheelchairs, people with motor and/or other disabilities, even temporarily.

MAINTENANCE AND CLEANING

Simple ordinary and extraordinary care. Cleaning without detergents, only with medium/low pressure water.



COMBINING TECHNICAL NEEDS WITH HUMAN NEEDS.

PERMEABLE SOLUTION

Prima Drain Stone® is laid on a draining concrete screed. As both are permeable materials, the surface drains the water deeply, and returns it to the soil and aquifer.



Prima Drain Stone® on a permeable concrete base - Pedestrian and cycle path

* Nominal values

Prima Drain Stone® - 10-12 mm*

Draining Concrete - 10 cm*

Granulated or crushed 3/6 mm* - pea thickness 3 cm

Thickness: 15-20 cm Crushed quarry stone or

granules, both free of fine material (earth, sand, etc.)

Aggregate grain size: 70-15 mm*

Geotextile

Ground



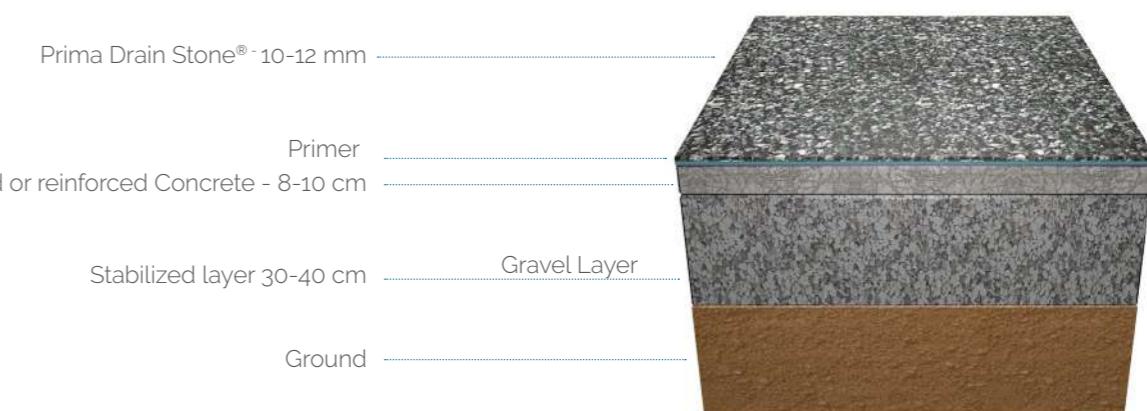
Prima Drain Stone® on a permeable concrete base - Trafficversion (≤ 3.5 ton)

* Nominal values



DRAINING SOLUTION

Prima Drain Stone® is laid on a concrete substrate or on existing solid floors. Suitable for improving the functionality and aesthetics of the coating. Dry and safe surface when a suitable water recovery system is in place.



Prima Drain Stone® on reinforced concrete base - Pedestrian and cycle path

Prima Drain Stone® - 10-12 mm*

Primer

Fiber-reinforced or reinforced Concrete - 8-10 cm

Stabilized layer 30-40 cm

Gravel Layer

Ground

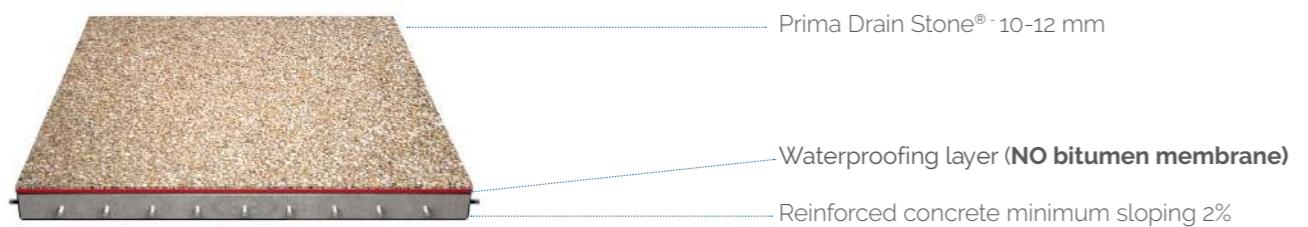


Prima Drain Stone® on reinforced concrete base - Trafficversion (≤ 3.5 ton)

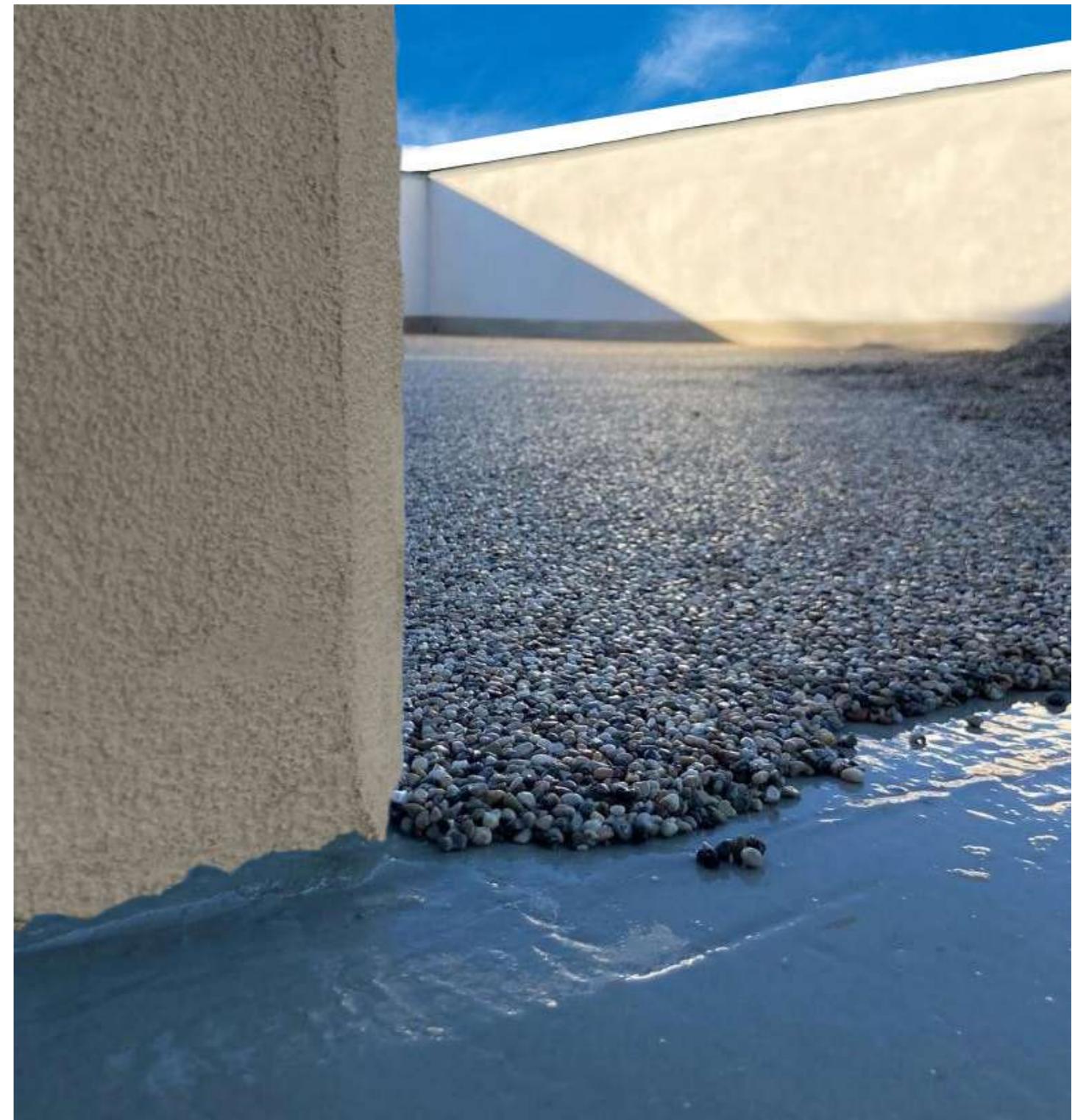
TERRACE SOLUTION

Prima Drain Stone® is also intended for terraces.

It is intended for laying on concrete substrates made of a bituminous sheet with a minimum slope of 2% or directly on a single-component liquid waterproofing layer (always with slope) to facilitate the flow of water



Prima Drain Stone® on sloping concrete and **NO bitumen membrane**



INERT COLOR RANGE

Precious marble, granite or porphyry.

Available in different color and grain size range,
between 1 mm and 9 mm.

PEDESTRIANS



Dark Bardiglio



Carrara White



Thassos White



Verona White



Zandobbio White



Blue Ice



Light Bardiglio



Botticino



Coral Pink



Crystal Mix



Guilloche



Platinum Grigio



Ash Gray



Siena Yellow



Mori Yellow



Verona Red



Breccia Pernice



Alps Green



Artic Green



Mahogany Brown



Levanto Red



Royal Red



Mica Granite Violet



Black Ebany



Carnic gray

INERT COLOR RANGE

Precious marble, granite or porphyry.

Available in different color and grain size range,
between 1 mm and 9 mm.



Orange Porphyry



Light Quartz



Brown Porphyry



Quartz Mix

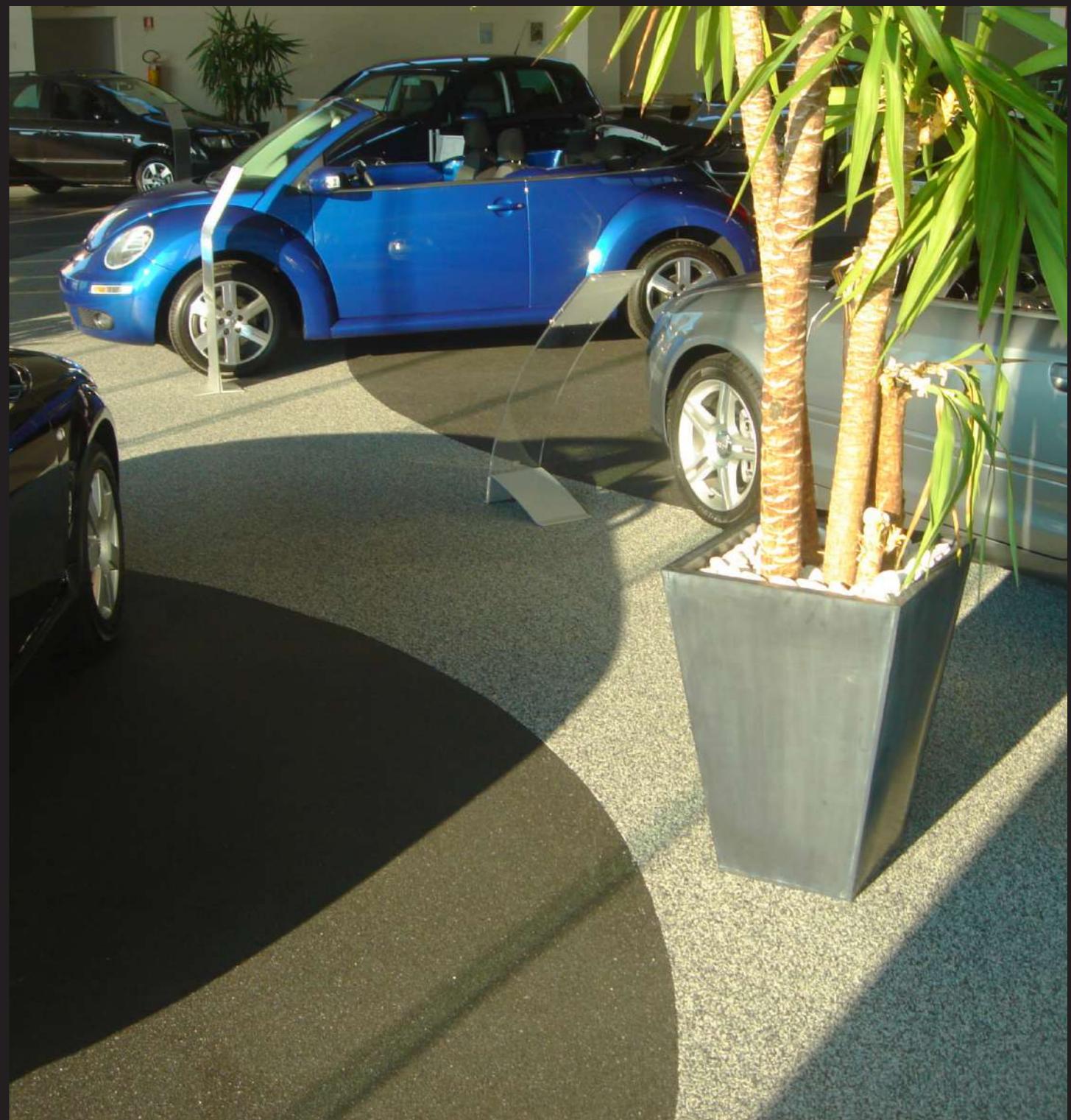


Green Alps



Ticino Sand

TRAFFIC





PROTECT AND ENCOURAGE SUSTAINABILITY.



PUBLIC SPACES

MASTERPLAN LANDSCAPE - URBAN AREAS UPGRADE

Prima Drain Stone® is the greenest design solution for outdoor space upgrades.

By promoting the use of Prima Drain Stone®, we are personally committed to achieving one of the United Nations Sustainable Development Goals (SDGs), which is to take effective and immediate action to reduce the degradation of the natural environment.

"Goal 15

Protect, restore and promote sustainable use of terrestrial ecosystems"

Where

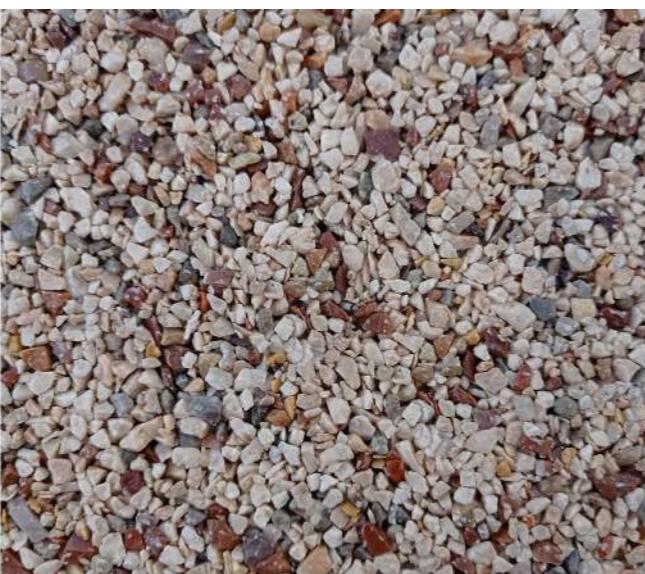
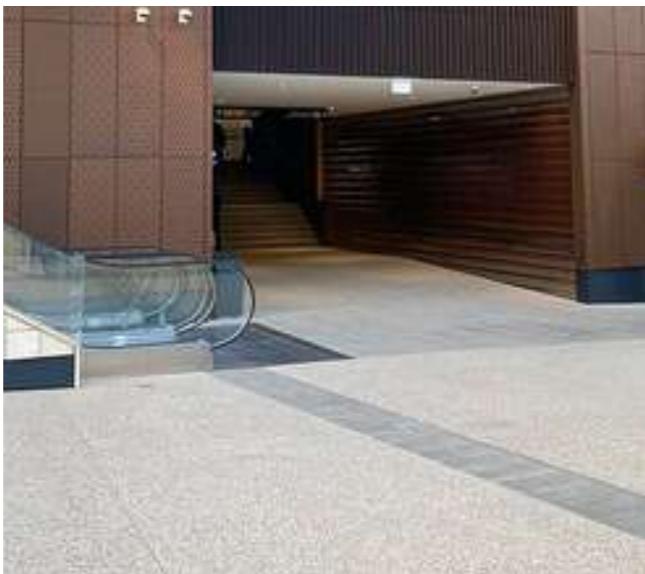
- Nature Value Zones, Parks or Protected Settings.
- Squares, sidewalks, bicycle paths, parking lots and driveways.
- Sections of road of environmental, historical and landscaped importance.
- Limited traffic zones.
- Outdoor areas of school buildings and paths in adjacent green spaces.
- Outdoor areas of public buildings and paths in adjacent green spaces.

Benefits

- Better living comfort thanks to the low temperature of the floor in summer, thanks to the porous structure (from 10°C to 20°C compared to other outdoor coatings).
- Safe, slip-resistant, according to DIN51130.
- Inclusive for stability, flatness and customization.
- Resistant to freeze/thaw cycles, facilitates snowmelt.
- Completely draining, it allows the passage of water and oxygen, protects the survival of plants and solves the phenomenon of rising roots on the road surface.
- Easy ordinary and extraordinary maintenance.

CUSTOMIZE AND ENHANCE

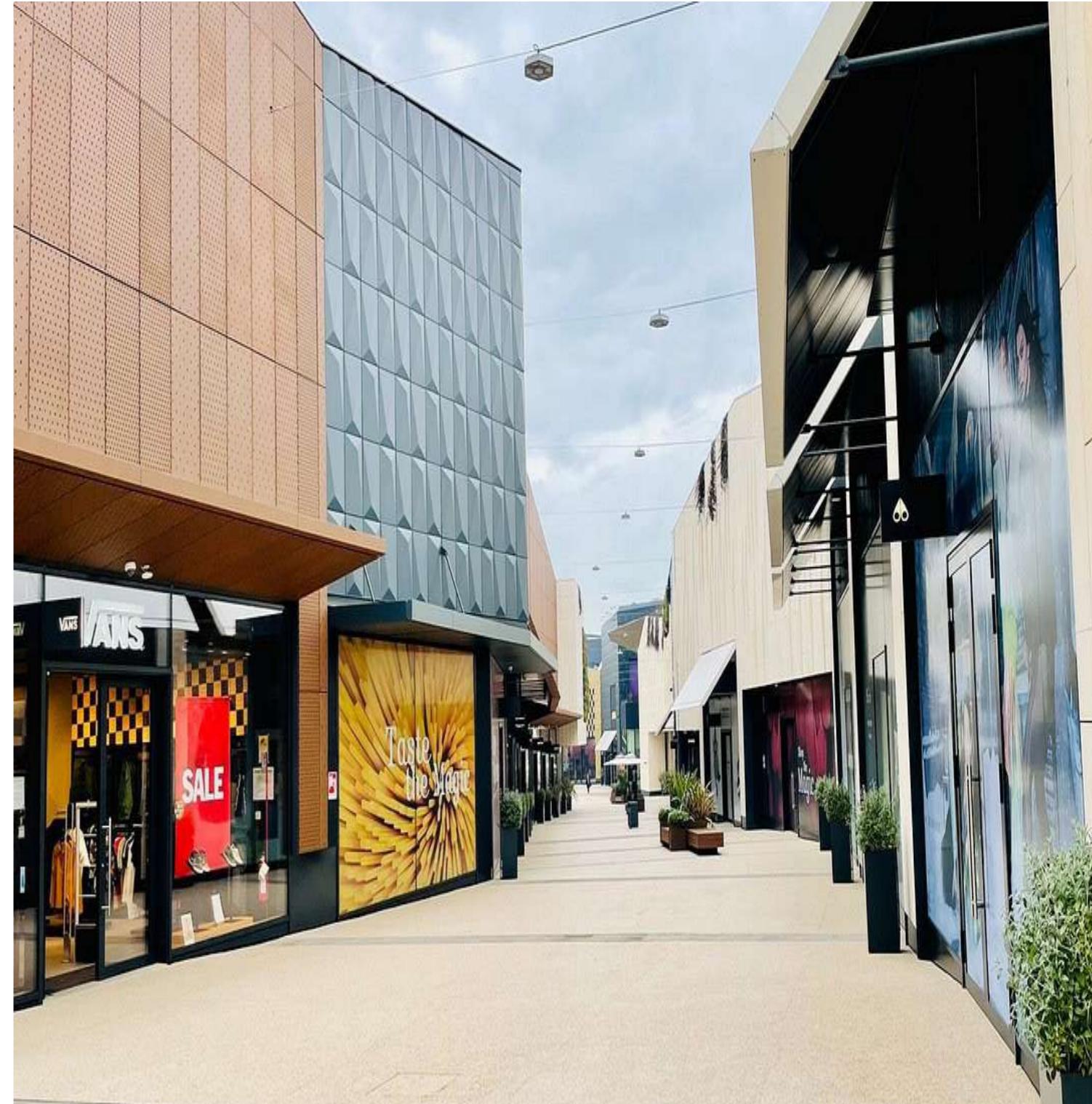
The versatility of Prima Drain Stone® allows you to customize any project. By using aggregates of different sizes and colors, we can achieve an infinite number of colors and geometric combinations or logos. A green upgrade means an increase in the value of the area involved.



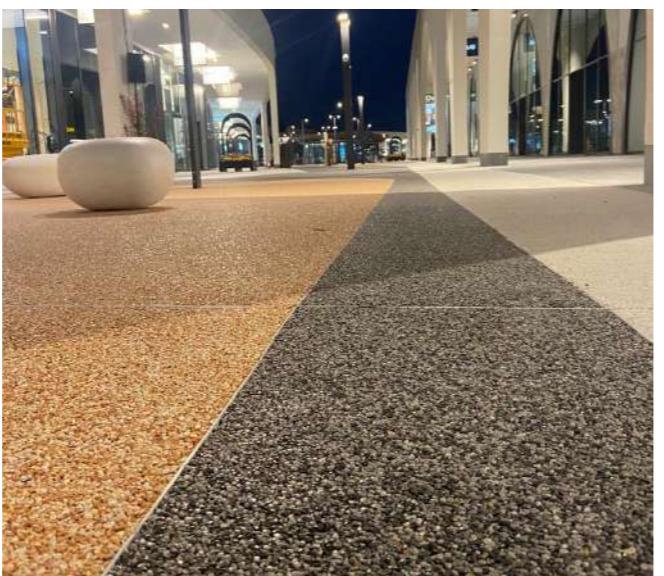
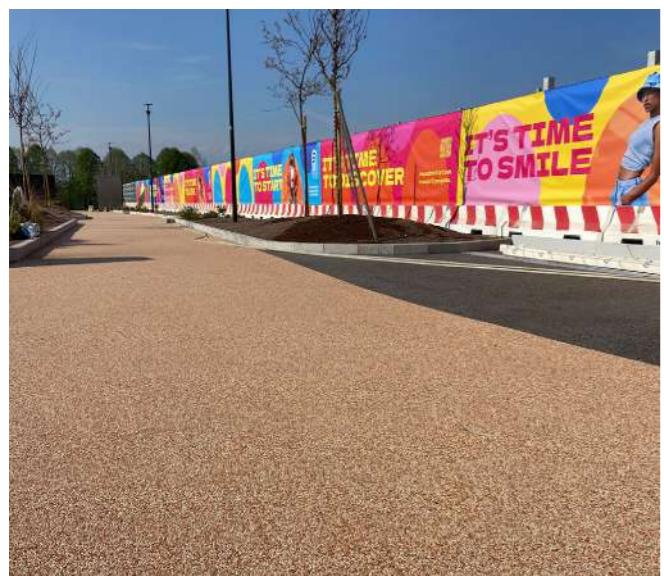
Guilloche granulate (4-8 mm)

MALLS

San Marino Outlet Experience. Walkways and outdoor squares for pedestrians. Also suitable for seaside and lakeside avenues, paths in green areas or parks, bike paths and outdoor areas of schools, hospitals, senior housing and hotels.



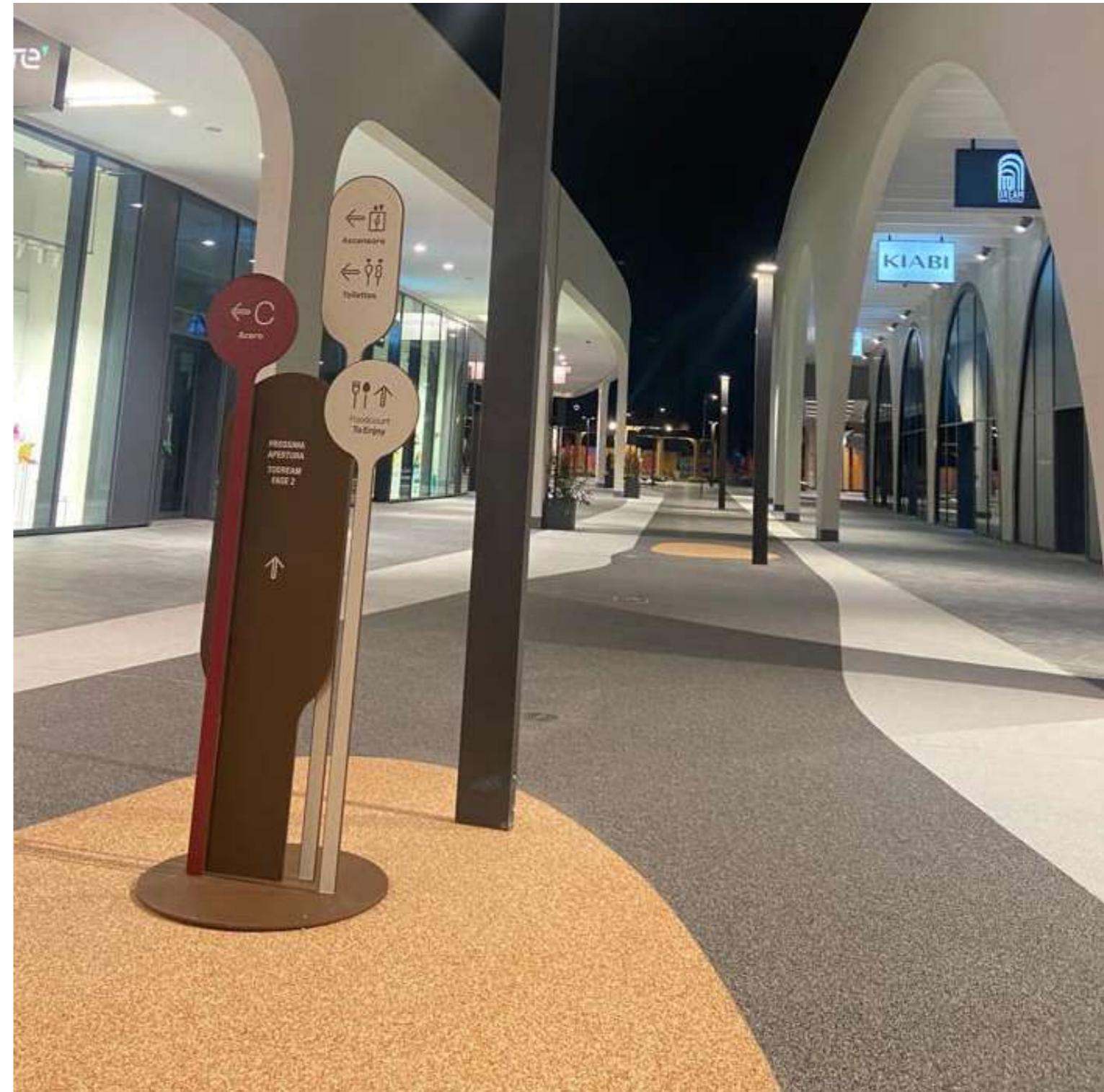
PUBLIC SPACES



Gray Bardiglio marble pebbles (2-4 mm)
Granulated white Carrara marble (3-6 mm)
Granulated Breccia Pernice (3-6 mm)

MALLS

TO DREAM - Urban District. External pathways and bike path. Tactile paths.
First lot of the new shopping center. Redevelopment of the former Michelin industrial area
in Turin.



PUBLIC SPACES



FUNCTIONAL & ECO-FRIENDLY OUTDOOR.



PRIVATE SPACES

HOUSING COMPLEXES, VILLAS, GARDENS.

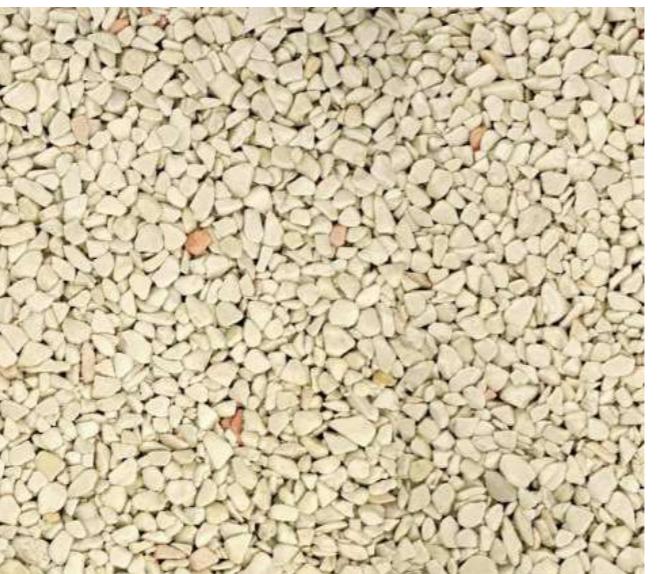
Prima Drain Stone® allows you to rethink your landscaping projects by integrating architecture and green spaces. It is a continuous outdoor flooring that can be highly customised and fits into any context, classic or modern, rural or urban.

Where

- Private villas: garden, pedestrian and driveways, poolside.
- Housing complexes: outside spaces for common use, sidewalks, cycle paths, parkings and driveways.
- Renovation of outdoor areas of historic interest and scenic buildings.

Benefits

- Better living comfort thanks to the low temperature of the floor in summer, thanks to the porous structure (from 10°C to 20°C compared to other outdoor coatings). Safe, slip-resistant, according to DIN51130.
- Inclusive for stability, flatness and customization.
- Resistant to freeze/thaw cycles, facilitates snowmelt.
- Completely draining, it allows the passage of water and oxygen, protects the survival of plants and solves the phenomenon of rising roots on the road surface. Easy ordinary and extraordinary maintenance. Easy to clean: no detergents, just medium/low pressure water.
- Great aesthetics, highly customizable, endless combinations.



Verona white granulate (4-8 mm)

RESIDENTIAL

Pedestrian paths in exterior areas of villas or residential complexes, terraces and pool edges, driveways.



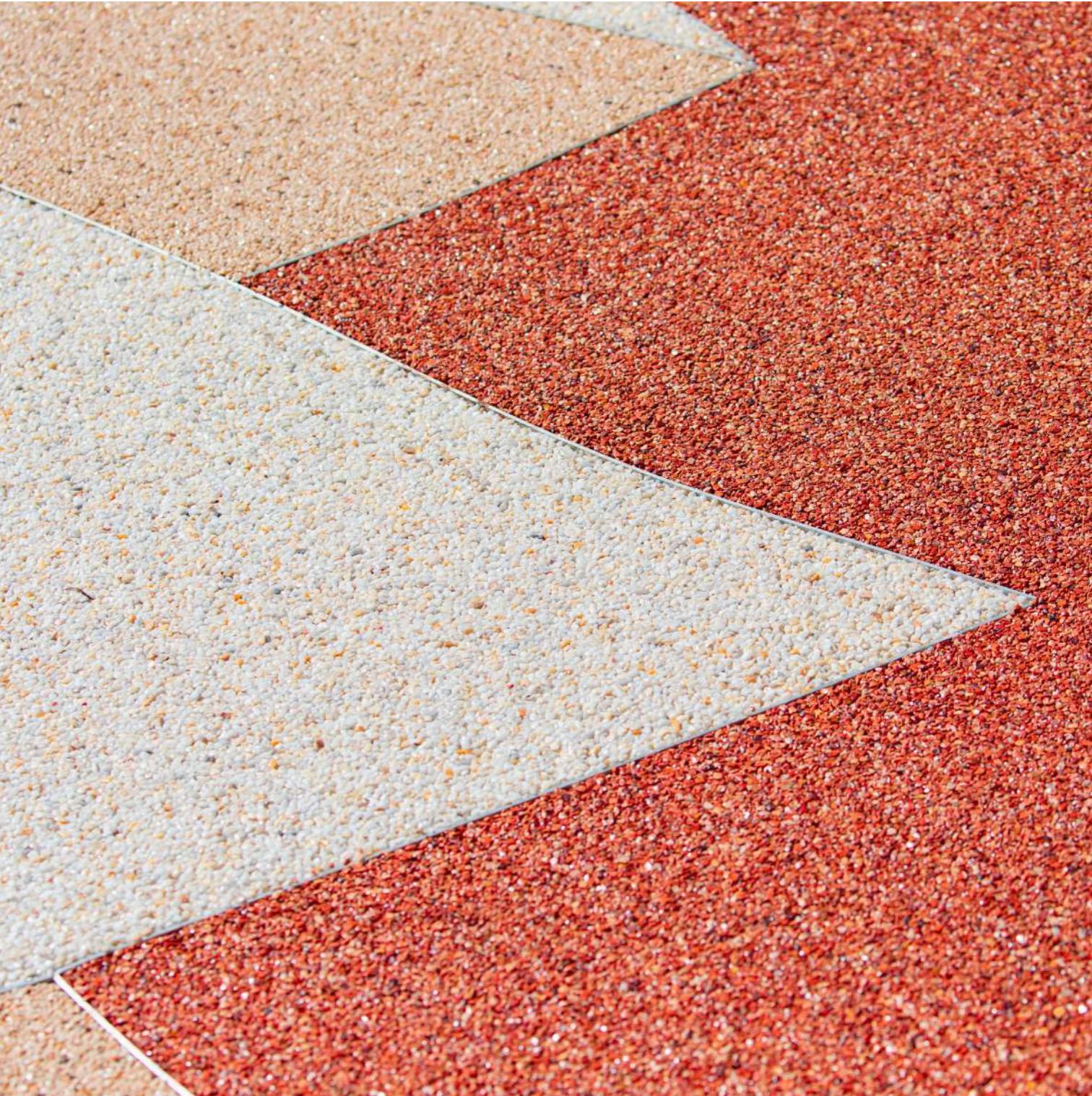
PRIVATE SPACES



Crystal granulate mix (2-4 mm)

HOSPITALITY

Hotel - Tenerife.
Pedestrian and driveway paths and event area.



PRIVATE SPACES



Ebony black granulate, light and dark Bardiglio (4-8 mm)

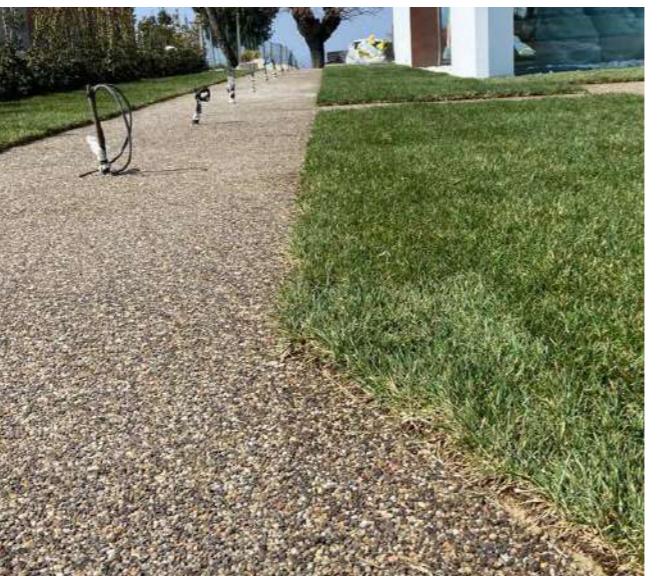
RETAIL AREAS

Car dealership - Cesena (FC)
Outdoor and indoor pedestrian and driveway paths.

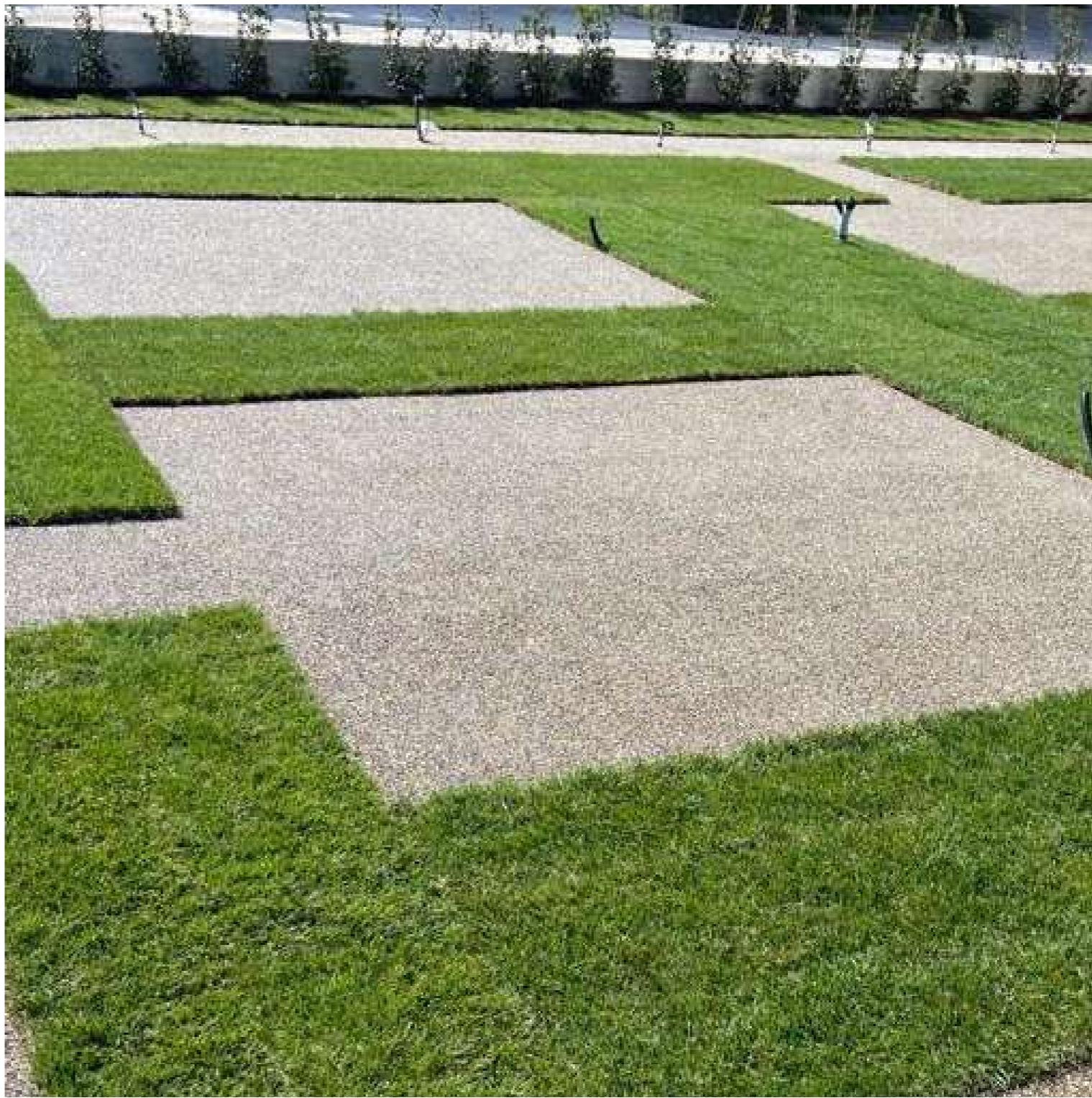


Sella Bank - Torino (IT)

PRIVATE SPACES



Ticino sand granulate (3-5 mm)



WINERY

Verduno (CN)
Outdoor pedestrian paths.

PRIVATE SPACES

SOME OF OUR CUSTOMERS



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OG 3 Classe II