

**ECOPAVEBGM**  
Architectural Concrete



# Harmony, Durability, Sustainability

The solution that unites technology with the natural environment

## Natural Harmony Meets Technological Excellence

INTERBETON, with a steadfast commitment to sustainable development and innovation, has developed ECOPAVE BGM, an advanced and innovative solution for paving that combines high durability, a low environmental footprint, and seamless integration into natural or urban landscapes.

It is specifically designed for low-traffic routes, pedestrian paths, bicycle lanes, and outdoor public spaces, delivering user-friendly, environmentally conscious surfaces that promote a sense of calm, safety, and comfort.

The ECOPAVE BGM technology brings together the efficiency of a stabilized material with rapid application and the natural aesthetic required for urban and landscape regeneration projects, enhancing both the functionality and sustainability of public space.

## Flexible Composition & Natural Integration

ECOPAVE BGM can be produced using locally available aggregates from the project site or crushed quarry aggregates, with its composition adaptable to meet the specific technical and aesthetic requirements of each application. Multiple options in color, texture, and grain size offer high design versatility, ensuring natural integration into any environment—whether natural or urban.

Compared with asphalt or other traditional paving materials, ECOPAVE BGM is a far more environmentally friendly solution, with very low equivalent CO<sub>2</sub> emissions per m<sup>2</sup>, significantly reducing the energy and environmental footprint of construction works. It actively supports the transition to more sustainable, resilient, and responsible infrastructure. ECOPAVE BGM is accompanied by Environmental Product Declarations (EPD\*) documenting its excellent environmental performance.



## Key BENEFITS

### Longer service life & reduced maintenance

Compared to traditional construction methods, ECOPAVE BGM provides up to 100% longer service life and requires 70% less maintenance, ensuring long-term stability and durability.

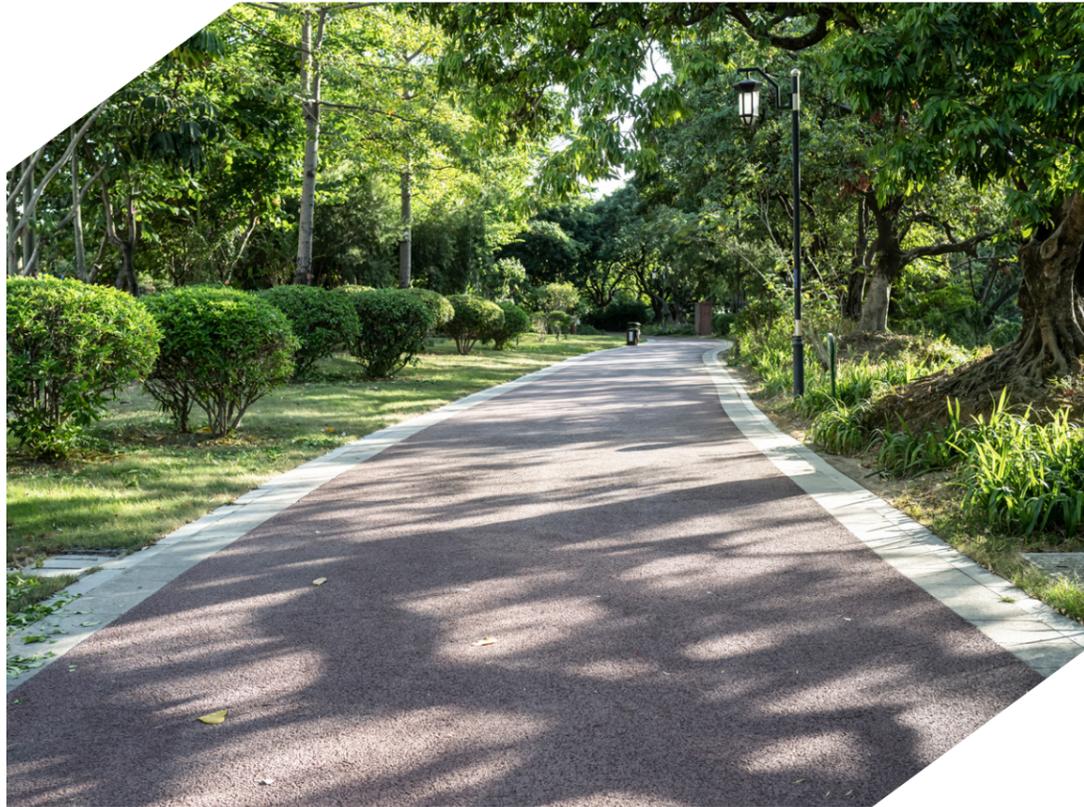
### Lower life-cycle cost & reduced environmental footprint

With 20–40% lower Life Cycle Cost (LCC) and an environmental footprint up to 40% lower than that conventional pavements, ECOPAVE BGM supports responsible, sustainable resource management.

### Rapid installation & sustainable mobility

Construction speed increases by up to 50%, making it ideal for sustainable mobility projects, public outdoor spaces, and tourism or hospitality environments where natural harmony, durability, and environmental responsibility are essential.

\* EPDs (Environmental Product Declarations) are certified documents providing transparent reporting of a product's environmental performance across its entire life cycle, including CO<sub>2</sub> emissions, energy use, raw materials, and other indicators, according to international standards.



## Technical Performance with Adaptability

ECOPAVE BGM combines flexibility and adaptability to meet a wide range of technical and environmental needs. Its industrial production in INTERBETON's highly automated plants ensures consistent quality, precision, and reliability. The option to use local or recycled aggregates improves the sustainability of each project.

### Technical Characteristics

- Compliant with EN 14227-1 strength categories
- High long-term durability, reducing LCC by 20–40% compared to conventional practices
- Resistance to freeze–thaw cycles
- Stable industrial production with controlled characteristics and performance
- Customizable grain size and colors according to architectural needs
- Available with reflectivity indices based on the mix design and local raw materials
- Suitable for the use of local or recycled aggregates for sustainable construction

## Architectural Value with Respect for the Landscape

Far more than just a durable paving solution, ECOPAVE BGM is an architectural approach that balances functionality, durability, and aesthetics.

Its natural texture, earthy tones, and low reflectivity make it ideal for projects that require landscape integration. It provides surfaces that complement their surroundings rather than dominate them, while ensuring user comfort and safety.

### Features

- Natural, cohesive texture that blends seamlessly into the environment
- Earthy color palette suitable for traditional or protected areas
- Low reflectivity for thermal comfort and mitigation of urban heat island effects
- Comfortable, safe surface for pedestrians, cyclists, and light vehicle traffic
- Design flexibility with customizable textures and colors

### Available Options

- Grey and earthy color shades, with optional color customization.
- Customizable grain size depending on the application
- Surfaces with natural aggregates for a more organic finish



For more information, please refer to the ECOPAVE BGM Technical Description brochure.

## Sustainability Combined with Long-Term Durability

ECOPAVE BGM fully aligns with circular economy principles and provides solutions with a low environmental footprint. Its technology improves soil plasticity, boosts load-bearing capacity, and creates stable, durable surfaces that resist time with minimal maintenance. Using local and recycled aggregates decreases transportation needs, reduces CO<sub>2</sub> emissions, and encourages responsible resource management—establishing it as more environmentally friendly than conventional pavements

It promotes sustainable construction by:

- Using local and recycled aggregates for circularity
- Reducing CO<sub>2</sub> emissions due to minimized transport
- Extending long-term durability by 50–100%
- Reducing maintenance needs by 50–70%, lowering total life-cycle cost
- Delivering a more environmentally responsible choice than asphalt or conventional concrete pavements

ECOPAVE BGM has a distinct environmental identity, supported by an Environmental Product Declaration (EPD\*), circular economy principles, and a comprehensive “green narrative.” It directly supports sustainable mobility, making it ideal for low-traffic routes, pedestrian paths, and cycleways, while also reducing the total cost of ownership for real estate and public-space projects.

ECOPAVE BGM is not just a paving material—it’s a new approach to modern construction that blends durability with sustainability. Featuring surfaces that naturally blend into the landscape, lower emissions, and the option to use local or recycled aggregates, ECOPAVE BGM minimizes transportation and environmental impact while providing long-term stability with minimal maintenance.

Ideal for pedestrian zones, cycle paths, and low-traffic routes, it caters to user needs with comfort and safety without changing the character of its surroundings. It demonstrates that architecture can be functional, durable, and environmentally responsible—highlighting the value of a truly sustainable choice.



## Fields of Application

- Low-traffic routes and pathways
- Pedestrian and cycle lanes
- Rural roads and trails
- Surrounding areas for buildings
- Routes through natural or protected landscapes

## On-Site Advantages

Using ECOPAVE BGM provides notable advantages throughout all construction stages. It utilizes materials already on-site, minimizing the need for extra aggregates and significantly reducing transportation and disposal needs—supporting both environmental impact reduction and overall resource conservation. The simple application stages—spreading, compaction, consolidation—make the process fast and reliable, while the final result blends seamlessly into the natural environment with no visual disruption.

## Construction Benefits

- Ability to utilize low-quality soils after stabilization
- Reduced need for transport and disposal of aggregates
- Fast installation with simple phases (spreading, compaction, consolidation), increasing construction speed by 50%
- Excellent performance in natural environments with no visual disruption
- Significantly reduced environmental footprint (30–40%) compared to asphalt or conventional pavements



Contact our team for more information  
on how ECOPAVE BGM can support  
your project.

[main@interbeton.gr](mailto:main@interbeton.gr)

The Company assumes no responsibility for the correct application, placement, curing, or final use of the product. Any information provided in the Company's brochures and technical descriptions concerning the application and final use of the product is given in good faith and based on the Company's current knowledge and experience with the product. Under no circumstances shall such information constitute any liability on the part of the Company for potential deficiencies in the application, placement, curing, or final use of the product. Reproduction or reprinting, in whole or in part, of this document in any form is strictly prohibited without the prior written consent of INTERBETON.

**INTERBETON**  
22A Halkidos Str.  
11143 Athens  
T. +30 210 2591 111  
[interbeton.gr](http://interbeton.gr)

