INTERFILL

Insulating Screed

Lightweight, Durable, Thermal-Insulating Filling Screed

The advanced solution that combines performance, speed, and sustainability

INTERBETON

A TITAN GROUP COMPANY

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INTERBETON, with a firm commitment to sustainability and technological innovation, introduces INTERFILL to the Greek market—a high-specification flooring and roofing solution designed for projects that require low weight, thermal efficiency, and long-term durability. INTERFILL is a ready-to-use filling screed, ideal for floors and flat roofs, that improves both technical performance and on-site efficiency. It is produced in INTERBETON's state-of-the-art plants in compliance with EN 13813, providing a level of quality and consistency that cannot be achieved with on-site mixed mortars. It is also supported by advanced pumping services through a flexible hose network, guaranteeing comfortable, safe, and quick placement—even in hard-to-reach areas of the project.

A Complete Filling Solution with Thermal Intelligence

INTERFILL provides a fully integrated filling solution with advanced thermal properties. It ensures exceptional durability, stability, and construction efficiency while reducing the environmental footprint. Suitable for both modern and traditional projects, INTERFILL is a valuable tool for engineers and contractors seeking quality, consistency, and sustainability in every application.

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Key BENEFITS

Reduced structural loads & thermal performance
Its lightweight nature (1,600–1,800 kg/m^3) significantly reduces dead loads, while its thermal conductivity (λ = 0.66 W/mK) provides up to 50% better insulation than conventional mortars—contributing to lower energy consumption.

Speed and cleanliness of application
With coverage capabilities exceeding 800 m^2/day and walkability achieved within 10–18 hours (depending on weather), INTERFILL significantly reduces construction time. Its pumpability and industrial production ensure a cleaner, more efficient, and safer worksite.

Sustainability & long-term stability
Industrial manufacturing, reduced resource use, and a low environmental footprint make INTERFILL fully aligned with circular-economy and sustainable-construction principles, ensuring durability and constant performance over time.

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Unmatched Technical Performance

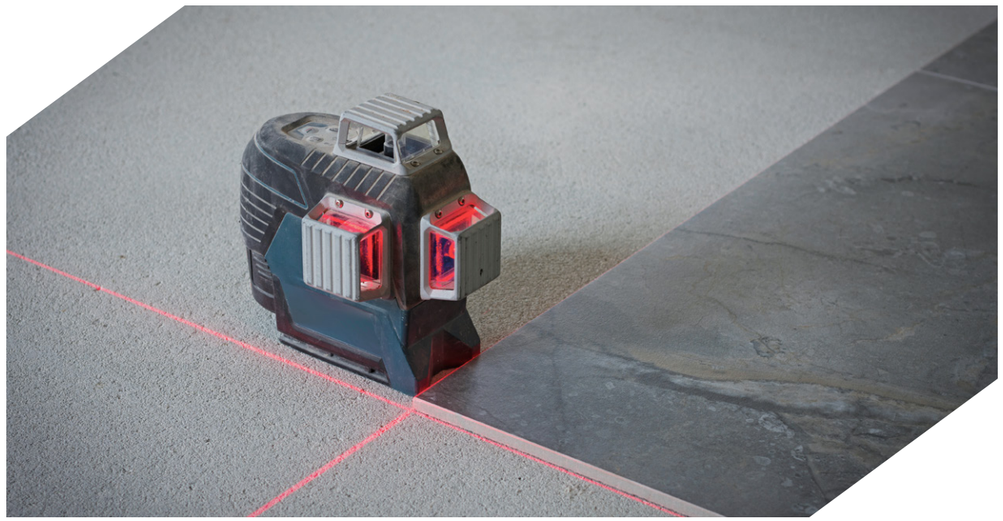
INTERFILL combines thermal insulation, mechanical stability, and ease of application, making it an ideal substrate for fillings. Its lightweight composition reduces structural loads, while its low shrinkage minimizes the risk of cracking and detachment of the final surface. Industrial production ensures consistent quality and predictable performance, delivering uniform results every time.

Technical Characteristics

Stable strength with low shrinkage
With a compressive strength of ≥ 5 MPa and flexural strength of ≥ 1 MPa (class CT-C5-F1), INTERFILL provides mechanical reliability and structural stability. Its low shrinkage (Δ1 = 0.059%) minimizes the risk of cracking, curling, or detachment of tiles and final floor finishes.

- 28-day compressive strength: ≥ 5 MPa
- Flexural strength: ≥ 1 MPa
- Shrinkage (Δ1): 0.059%
- Consistency class: S5
- Flow: 40–50 cm

INTERBETON also offers two additional floor-filling products:
INTERFILL FIBER: a fiber-reinforced version of INTERFILL, incorporating polypropylene fibers for enhanced performance.
X-FILL: a high-strength, highly pumpable cementitious grout



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Reduced dead loads – Lower structural burden
With a density of 1,600–1,800 kg/m^3, INTERFILL is 30% lighter than conventional filling screeds, reducing stress on load-bearing elements. This makes it ideal for renovations or projects with strict structural requirements.
- Dry density: 1,600–1,800 kg/m^3
- Fresh density: 1,700–1,900 kg/m^3

Thermal insulation performance
INTERFILL provides up to 50% higher thermal insulation than conventional screeds, with a certified thermal conductivity* of λ = 0.66 W/mK. Improved thermal insulation minimizes heat loss, enhances building energy efficiency, and extends the lifespan of underfloor heating systems.

Resistance to weather variations & material safety
INTERFILL contains no hydrophilic or organic raw materials, does not swell, does not shrink, and is non-combustible—providing high durability across a wide range of environments.
- Fire resistance: Non-combustible
- High pumpability and workability

Economy & durability
INTERFILL's stability and efficiency result in:
- Reduces filling costs by 15–30%, due to fewer construction stages and shorter application time.
- Cuts reconstruction requirements by 70–90%, thanks to the material's long-term stability and durability.

* Certified by external accredited laboratories.

For further information, please consult the INTERFILL. Technical Description brochure.

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Sustainability in Practice

INTERFILL, as a lightweight, thermal-insulating ready-mixed screed, integrates features that reduce the project's environmental footprint and enhance sustainability throughout the entire building lifecycle.

Industrial production for sustainable construction planning
Enables accurate quantity estimation and ordering, improving resource management and preventing overuse. Industrial-scale production guarantees consistent quality, while eliminating the need for wet curing and reducing on-site water consumption.

Reduced weight – Lower embodied emissions
The reduced dry density (1600–1800 kg/m^3) lowers building dead loads, allowing for more efficient structural design and reducing embodied emissions.

Enhanced thermal insulation
With λ = 0.66 W/mK, INTERFILL doubles the thermal performance compared to traditional mortars, reducing heating and cooling needs, lowering the building's operations CO_2 emissions, and supporting compliance with NZEB/EPBD standards.

Faster construction – Lower site impact
Covers over 800m^2/day, with rapid pumping through a flexible line network. Reduces construction time, energy consumption, and machinery operation. Applied in a single layer, with no extra processing stages.

Material safety & healthy indoor air
Contains no hydrophilic or synthetic raw materials and no VOCs. Non-combustible, dimensionally stable, and low-shrinkage—reducing the need for repairs. Not suitable as a final surface.

Compatibility with passive systems
Ideal substrate for underfloor heating systems, improving thermal efficiency and indoor comfort. Suitable for slope formation on roofs, supporting passive drainage and rainwater management.

INTERFILL is not intended as a final surface, but as a structurally and thermally reliable base. Roof applications require proper covering.

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Fields of Application

- Floor filling and leveling prior to final coverings (tiles, marble, granite, etc.)
- Slope formation and thermal filling on flat roofs
- Substrate for underfloor heating
- Constructions requiring thermal performance and reduced loads

On-Site Advantages

INTERFILL guarantees fast, clean application, cost predictability, and ergonomic installation. It provides flexibility across different project types and construction requirements. Its overall performance facilitates smooth project progression, minimizing delays and failures.

Fast placement & rapid walkability
INTERFILL covers up to 800 m^2/day, offering walkability within 6–10 hours (or 6–8 hours in summer).
- Its high workability and excellent pumpability ensure uniform distribution across any floor or surface.
- Its lightweight design significantly reduces loading on structural elements, making it an ideal solution for renovations or projects with limited load-bearing capacity.

Minimized materials & dust on-site
As an industrial product, INTERFILL significantly reduces waste and dust, creating a cleaner, safer working environment than site-mixed mortars.
- Clean site: no dust or material loss
- Uniform surface with excellent adhesion for tiles, marble, and granite
- No hydrophilic or organic raw materials: no shrinkage or expansion

Accurate measurement & stable cost
Consistent composition allows for easy quantity and cost control for efficient and responsible project management.
- Stable formulation – accurate material and cost estimation
- No curing required after placement
- Easily troweled like a traditional mortar for a smooth, uniform surface

Ideal bonding substrate
Provides excellent adhesion suitable for ceramic tiles, marble, granite, and other materials (per manufacturer guidelines).

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

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