



INNOVASIA®
SOUND SOLUTIONS

Mycelium Acoustic Tiles



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TerraTrace®
Ready-to-install Acoustic Tiles





Nature is the best architect of all. Thanks to its exceptional expertise, its evolutionary skills and amazing capacity for innovation, we could not wish for a better partner than nature itself.

Our acoustic products employ nature's intelligence to tread the path of sustainability, seeking a finer balance between the man-made and the natural ecosystem.





Specify the solution, not the problem.

TerraTrace® is Savi's first collection of biodegradable and closed-loop interior products.

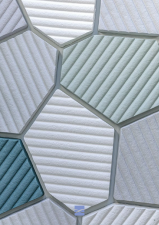
TerraTrace qualified products are biodegradable in a municipal landfill or in ocean water, or they have a closed upcycle guarantee.

Innovative Acoustics, supported with quality products from Flaga, compels you to rethink sustainability. Thanks to the unique technology of mycelium, Flaga acoustic products are radically innovative and mark for an unprecedented revolution in responsible materials.

Innovative Acoustics, in partnership with Flaga offers four acoustic tile patterns:

1. Aspen / Foresta
2. Wave
3. Elm
4. Patch





SUSTAINABLE LIFE CYCLE

Low-value industrial waste materials such as hemp fibers that cannot find other valuable applications are up-cycled as raw materials.

Hemp, being a natural fiber, breaks down into non-toxic components like humus, water, and carbon dioxide under the right composting conditions.

When composted properly, these materials reduce landfill waste and enrich the soil, making them excellent choices for sustainable practices.



Circular
production



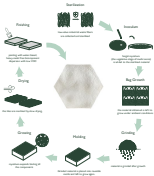
Regenerative
design



Zero
waste

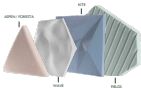


THE TECHNOLOGY



ACOUSTIC TILE PATTERNS

Flaga acoustic tiles are the first commercially available products of their kind, entirely made of fungal mycelium and recycled textile residues. They are designed to maximize the acoustic comfort in noisy spaces such as restaurants, offices and retail with high reverberation time.



ASPEN / FORESTA



PELICE



WAVE



ICITO





ASPEN / FORESTA

The Foresta System with Aspen panels is produced through advanced digital manufacturing technologies, introducing a paradigm shift in regard to the way in which acoustic products are traditionally manufactured.

Thanks to its modular design, the system can be tailored to meet the needs of every individual project, while contributing to requiring endless compositional possibilities.



The new
digital manufacturing
technique allows





FIXING SYSTEM

The Foresta System is based on a refined combination of wood branches and nodes.

The wood branches are designed to be mechanically fixed to the wall, requiring a minimal amount of wall perforations. The nodes simply hold onto the branches and, the integrated magnets, allow for an easy-to-mount approach in regard to the mounting of the acoustic modules.

The magnetic system incorporated in the nodes makes it possible for the user to easily change the position of each module, granting maximum design flexibility and supporting potential needs for future replacements.

The full system is 100% bio-based and biodegradable and can be fully disassembled at the end of the product life cycle, to support regenerative recycling.







Product Name
Product Code
Product Color
Product Material
Product Weight
Product Dimensions



WAVE

Soft and ethereal wall-clips evoke the sensation of wandering through winding hills. The visual softness and sound-dampening properties of Wave enhance comfort, resting the mind on both visual and acoustic sensory levels.

By simply rotating the modules, ethereal clouds in multiple configurations can be composed for the best acoustic comfort.



Size: 600 x 600mm
Thickness: 15mm







Product Name
Product Description
Product Features
Product Dimensions
Product Weight
Product Material
Product Color
Product Price
Product Availability
Product Location



KITE

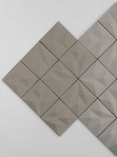
Kite is inspired by the natural interplay of light and shadow taking place on a geometric surface made of optimum materials.

By simply rotating each module, the geometry of the tiles allows for playful and surprising compositions. Their decorative potential is complemented with the wide range of colors making for a bold, radical and yet understated design. A sculptural product that makes each wall a great canvas, yet innovative.



Tile size:
100x100 cm
thickness: 10 mm







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FIELDS

Inspired by patches of cultivated land as seen from above, Fields features an irregular hexagon shape. Its surface is marked by delicate stripes, recalling the pattern of seeding tracks. A calm texture, evoking the long-lasting collaboration between mankind and nature. Irregular shapes fit together perfectly to create endless compositions.



The new
Porcelain Stone
collection. Fields







INTRODUCING COLORS



White is the color that has always characterized myrium products, but we expanded the color palette to 11 colors.

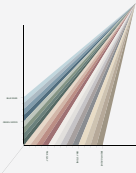
The inspiration for the color palette comes from nature - the fascinating tones of water, forests, earth and sand were naturally the basis to inspire our unique color palette.

Blues, greens, earth tones, and warm/cold neutrals with subtle variations, calm and desaturated hues constitute the palette.

Our colors are designed to support a perfect mix and match among them.

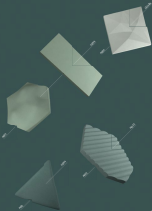
The paint used is a water-based, heavy-metal free bi-component dispersion with low VOC, with a very low gloss to ensure a matte aesthetic.





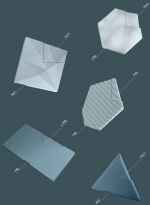
GREEN WOOD PALETTE





BLUE RIVER PALETTE





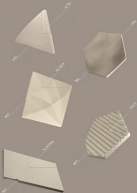
PINK CLAY PALETTE





BROWN GROVE PALETTE





GRAY STONE PALETTE



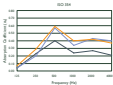




ACOUSTIC PERFORMANCE

Our acoustic tiles feature excellent performances particularly in the medium frequencies (250-1000 Hz).

Their decorative design and functionality makes them a perfect solution to absorb most of speech noise in many environments, such as restaurant, lounges and small to large office spaces.



Frequency (Hz)	125	250	500	1000	2000	4000	total
Black	0.05	0.20	0.40	0.25	0.27	0.24	0.30
Blue	0.05	0.20	0.57	0.35	0.45	0.42	0.38
Orange	0.05	0.25	0.60	0.40	0.42	0.37	0.40



NATURAL ACOUSTICS



A comfortable interior is one that allows people to sit, work, discuss and talk without any hearing difficulty.

In modern spaces, a common issue that threatens acoustic comfort is the use of reflective materials, such as concrete and gypsum. On these surfaces, sound is usually reflected, causing a high and tedious reverberation (a loud echo).

Our acoustic tiles feature two main correction mechanisms: sound absorption and diffusion. While the 3D shaped surface breaks up and spreads sound waves, the porous mycelium material transforms them into mere movement and heat, so to be absorbed in the fibrous material.



MYCELIUM PERFORMANCE MATRIX



MYCELIUM TYPE DEFINITION

The ability of mycelium to grow, spread, form, and spread and form itself.



LOW EMISSION

How emissions (CO₂) are absorbed or released, and how they contribute to climate or quality.



NATURAL ADAPTIVE

How mycelium is able to adapt to its environment and to the needs of its community, which further increases resilience & fitness.



BIODEGRADATION

After use, mycelium-based products can be degraded or in the composting process.

CERTIFICATION



Mycelium



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Environment:

Key Features:

- All systems and techniques are designed to preserve resources, and reduce energy consumption while also prevent pollution and negative environmental impact.
- Recycling from industrial waste materials, such as lamp filaments that cannot find other valuable applications in waste production processes.
- Flap is a natural fiber that can break down into non-toxic components like human waste and surface disinfect under the right composting conditions.
- Flap/Tile can be disposed of in the composting process.

Awards:

- Flapac System is the winner of the German Design Award 2023 in the Sustainable Product Design - Best Design category.



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 **TerraTrace®**
Acoustic tiles for noise control