



TAFTIRIUM
GROWING ECO MATERIALS

Natural Panels Catalog

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Overview

Taftirium Acoustic Panels are high-performance, sustainable wall and ceiling solutions made from mycelium and agricultural streams.

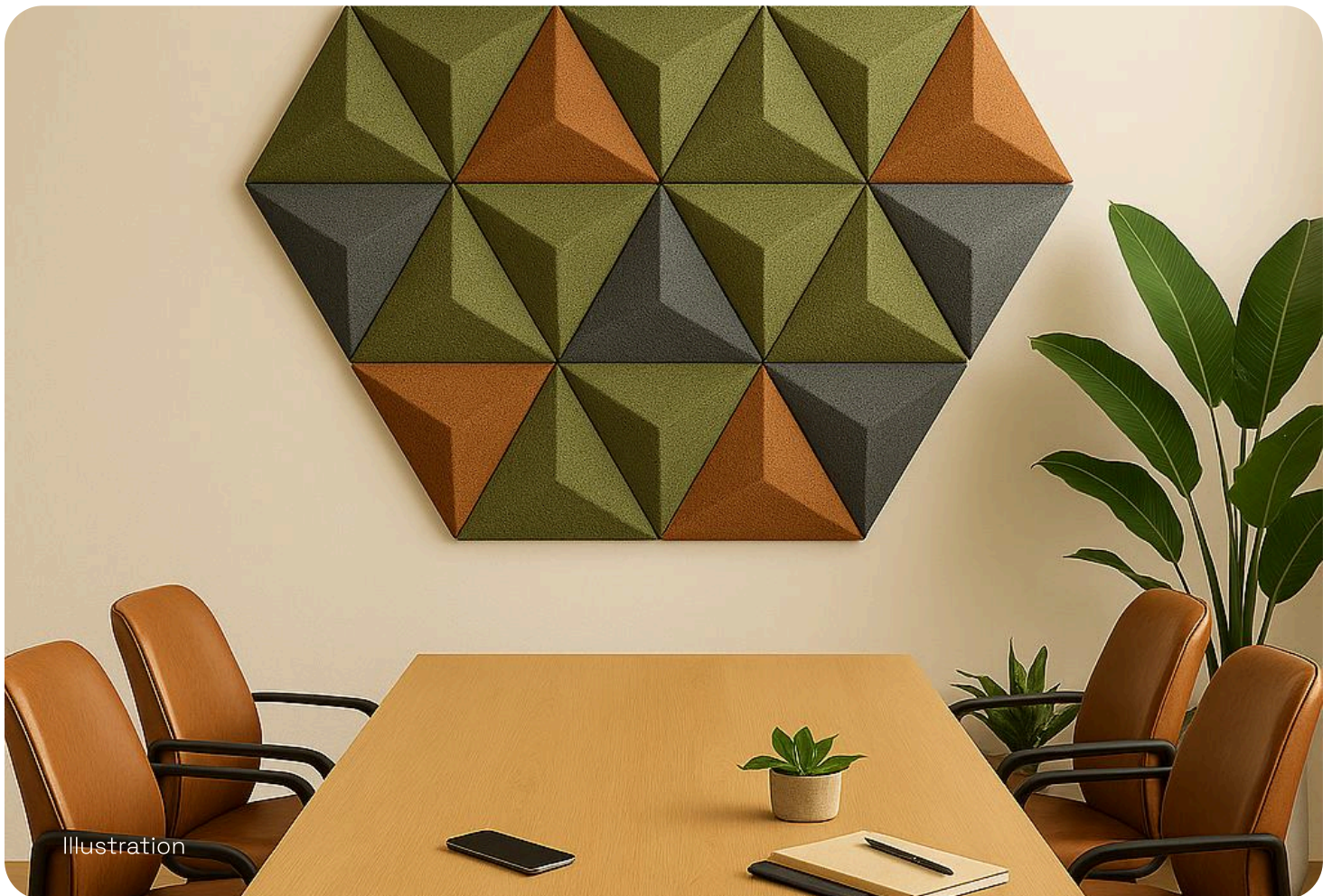
Designed for sound absorption, thermal comfort, and natural aesthetics, these panels bring nature indoors while reducing environmental impact.

The material is 100% natural, biodegradable, safe to use and VOC-free, offering architects, designers, and builders an eco-friendly alternative to synthetic materials, bringing integrating design into modern architecture.

Each panel is unique, carrying the life imprint of a different mycelium organism. Variations in color, texture, and form are a natural result of the growth process.

Perfect for office spaces, clinics, restaurants, eco-conscious retail, hospitality, art installations, schools and residential interiors.

Ideal for anyone seeking healthier, inspiring, and sustainable spaces.



Key Features



Acoustic and thermal insulation in one product



Naturally fire-resistant (tested to Israeli Standard 1045)



Can be rotated and combined to create dynamic patterns



Lightweight and easy to install



VOC-free, aldehyde-free, and safe for indoor use



Made from mycelium and up-cycled agricultural by-product



Available in natural textures or eco-paints



The natural growth of the mycelium creates unique patterns

Design & Dimensions

Size

420 × 420 × 50 mm

other sizes available on request

Weight

~ 8 kg/sqm

Finish

Natural off-white or earth-tone coatings

Pack size

9 panels standard

18 panels per custom color batch

Performance

Acoustic Absorption (NRC)

0.50–0.70

Thermal Conductivity (λ)

~0.03–0.04 W/m·K

Fire Resistance

Meets core requirements

Durability

Resistant to mold and pests

Sustainability Impact



Each sqm of Taftirium panels removes 12 kg of CO₂ through upcycling of waste.



Fully aligned with circular economy and green building standards.



Blue-White-Green - Locally produced in Israel, reducing shipping emissions, Increasing Industrial Sustainability

Making Process

Agricultural waste



Mycelium



Mycelium material grown in mold for a few days

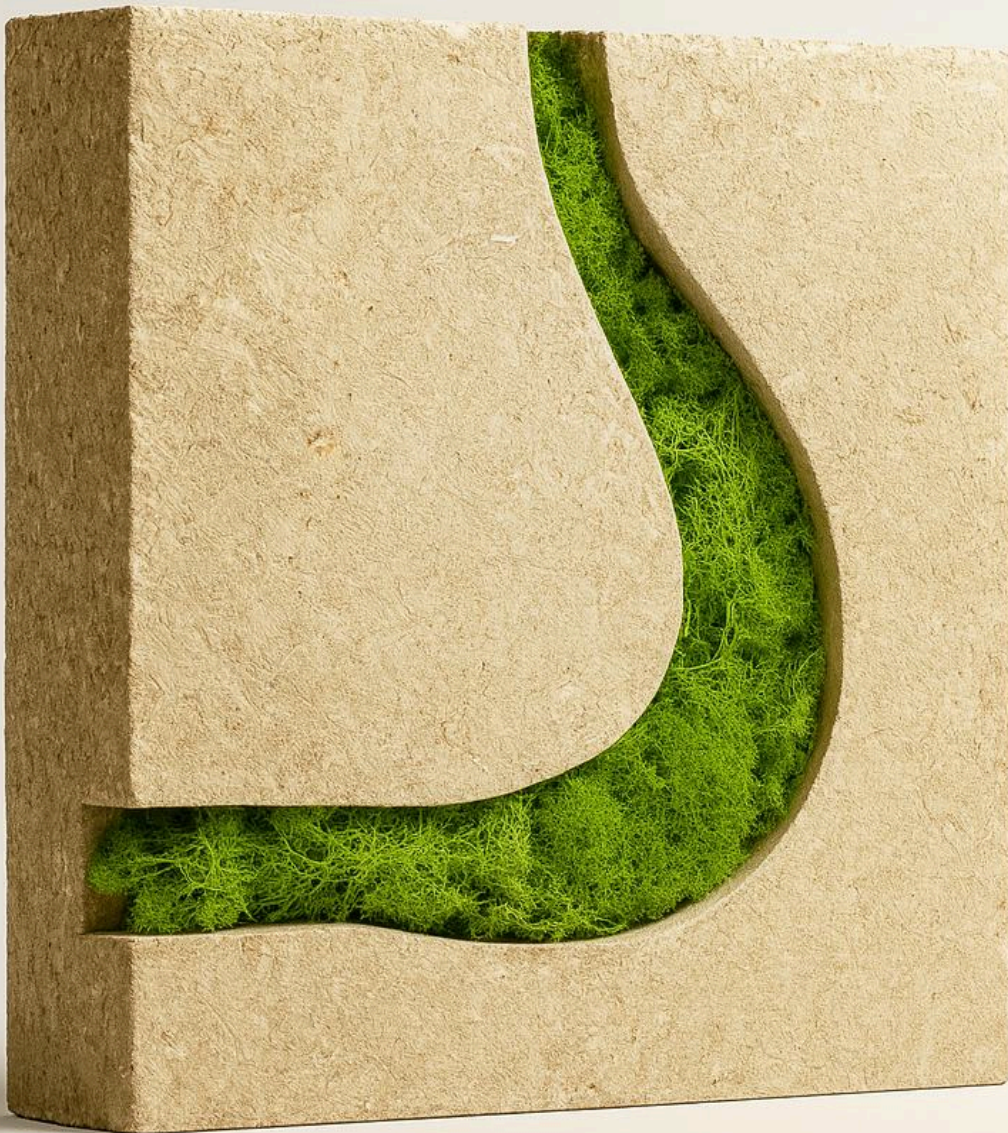


Acoustic panels



Care Instructions

- Panels require minimal maintenance: light dusting is sufficient.
- Avoid harsh abrasives or detergents to protect natural texture.
- Natural variations in color and surface are part of the product's uniqueness.



Our Panels

TAFTIRIUM



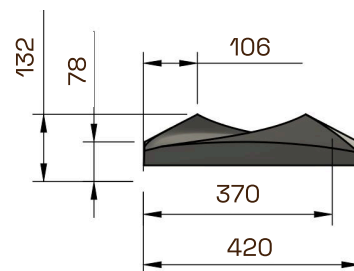
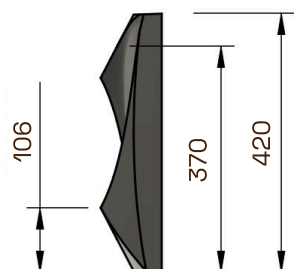
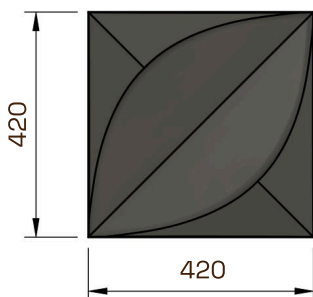
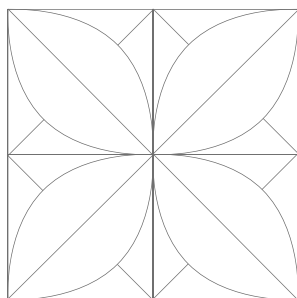
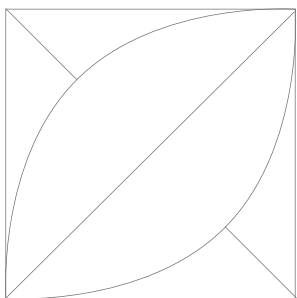
Illustration

Leaf

Bring nature indoors. With its petal-like geometry, Leaf softens any space with organic elegance. Perfect for offices, wellness clinics, or creative studios that want to inspire calm, focus, and natural connection.



Drawings & 3D Models





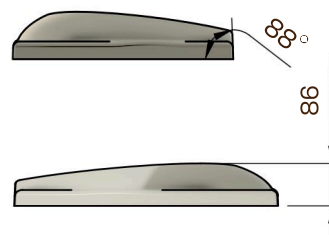
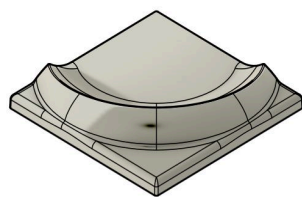
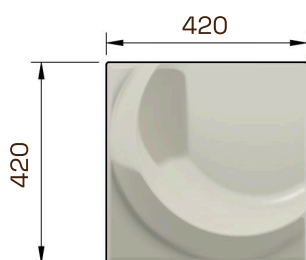
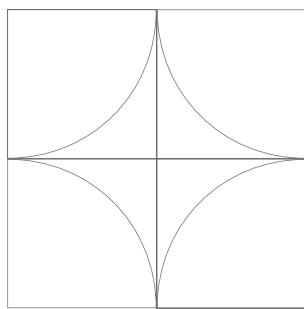
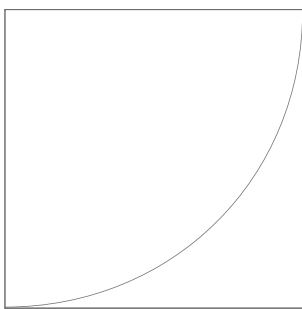
Leaf panel Illustration

Dune

Inspired by desert waves. Dune captures the flowing movement of sand, adding warmth and depth. A striking choice for restaurants, boutique hotels, and retail interiors seeking a natural yet sophisticated statement.



Drawings & 3D Models

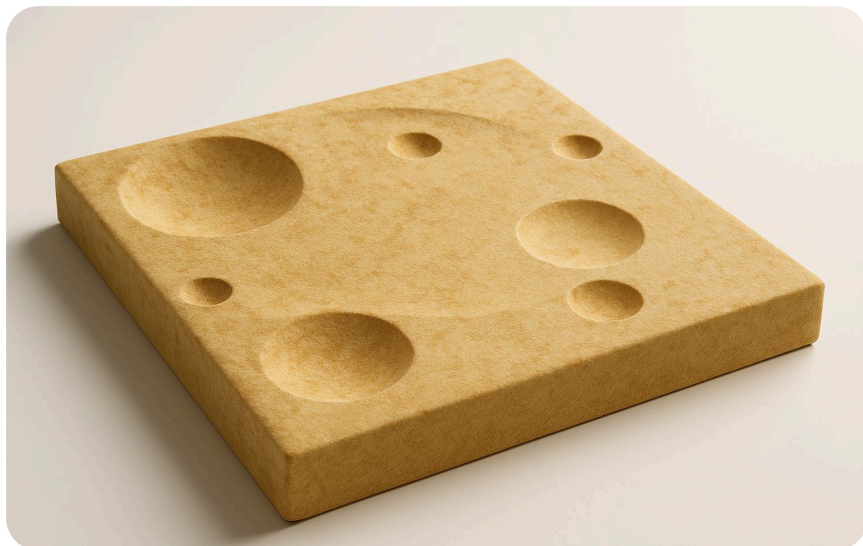
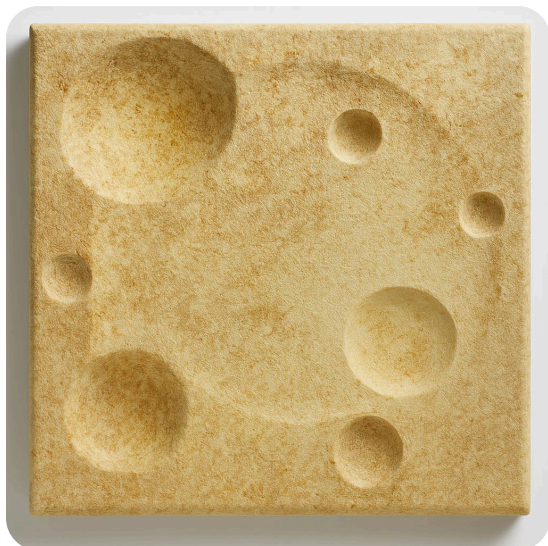




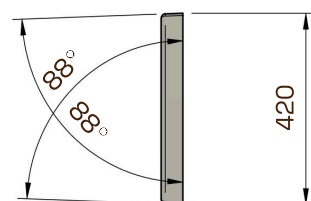
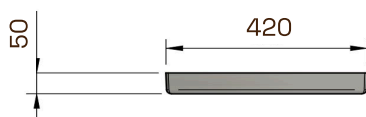
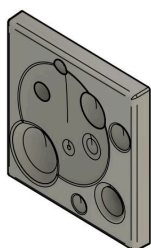
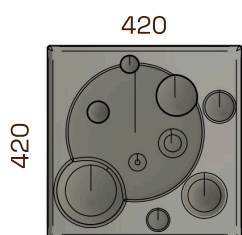
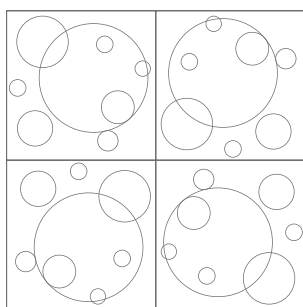
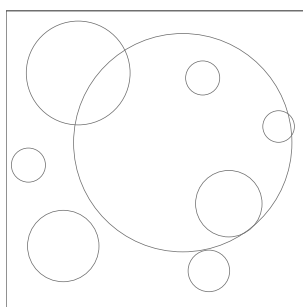
Dune panel Illustration

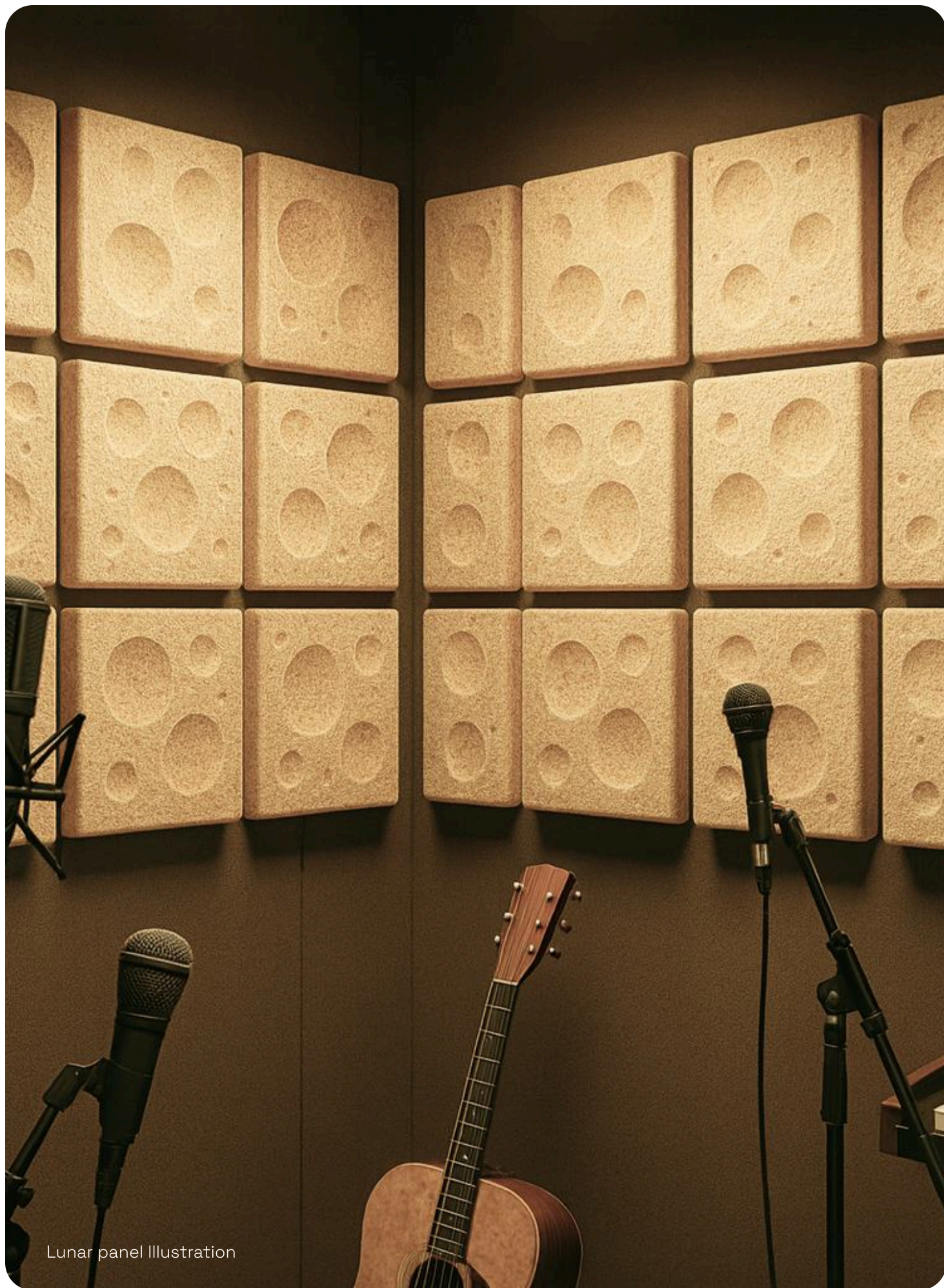
Lunar

Raw, bold, and celestial. Lunar draws from the cratered surface of the moon, with textured depth and organic forms that make a striking design statement. Perfect for art installations, feature walls, restaurants, and interiors seeking atmosphere and intrigue.



Drawings & 3D Models

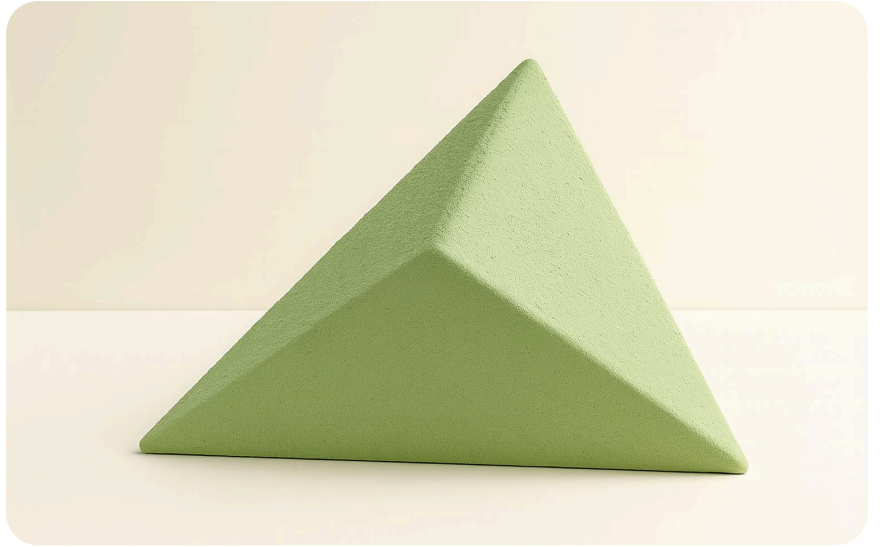
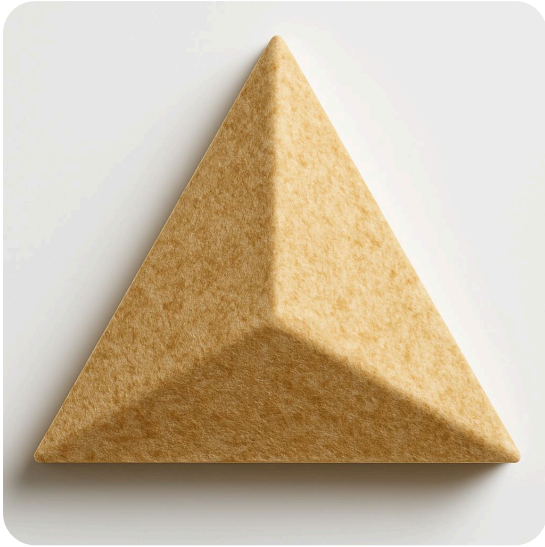




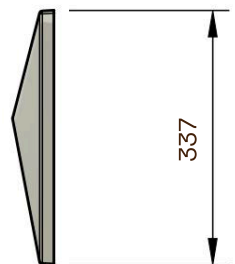
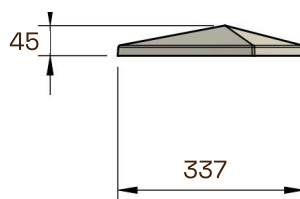
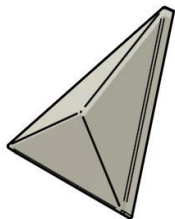
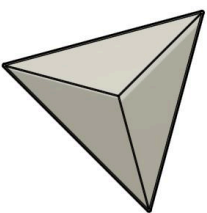
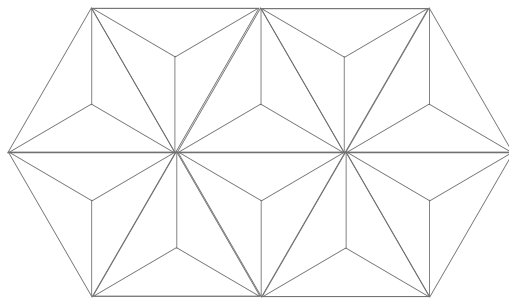
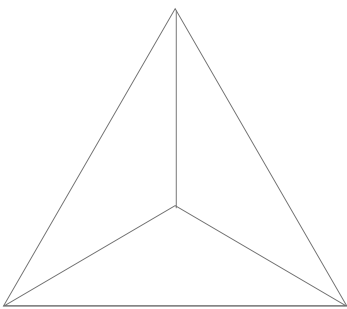
Lunar panel Illustration

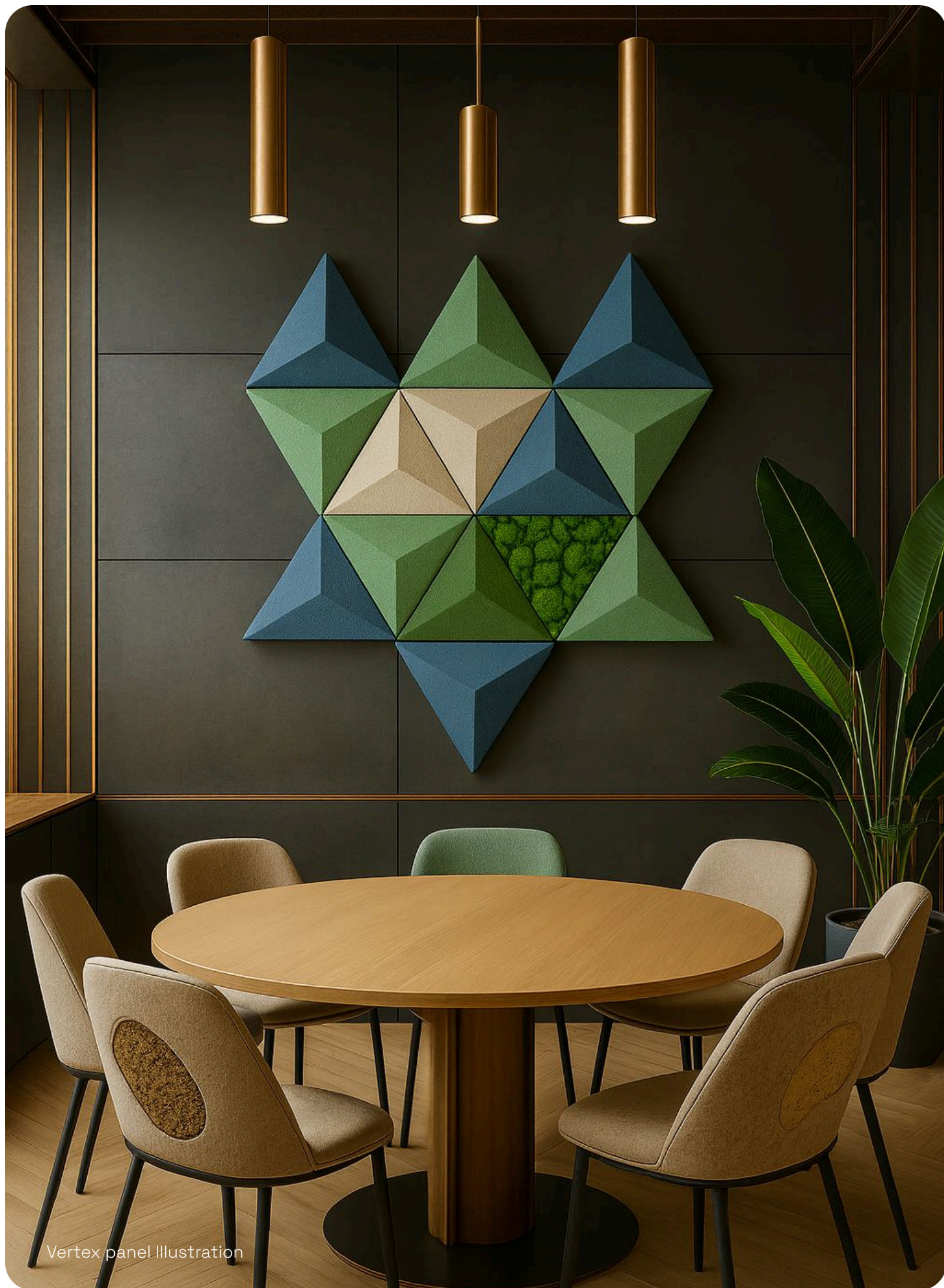
Vertex

Geometry at its peak. With bold, mountain-inspired lines, Vertex brings strength, innovation, and presence to any interior. Designed for concept stores, high-end lobbies, and modern architecture that demands impact.



Drawings & 3D Models





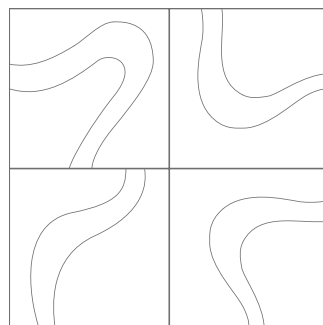
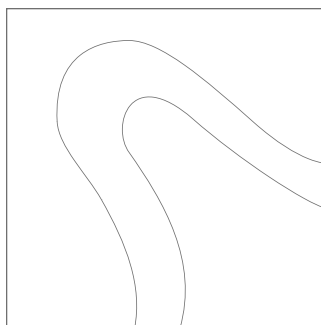
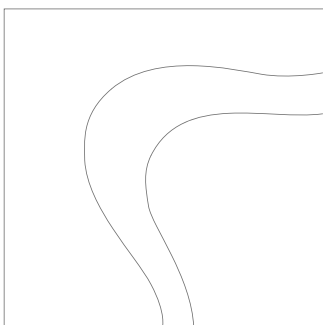
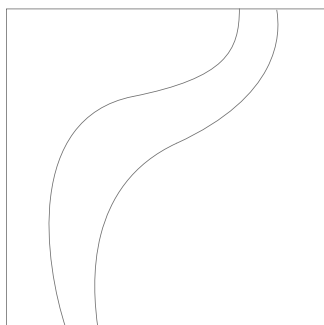
Vertex panel Illustration

River

Design that flows. River mimics the calming rhythm of water currents, creating interiors that feel balanced and restorative. A natural fit for spas, hospitality venues, or residential spaces centered on wellbeing.

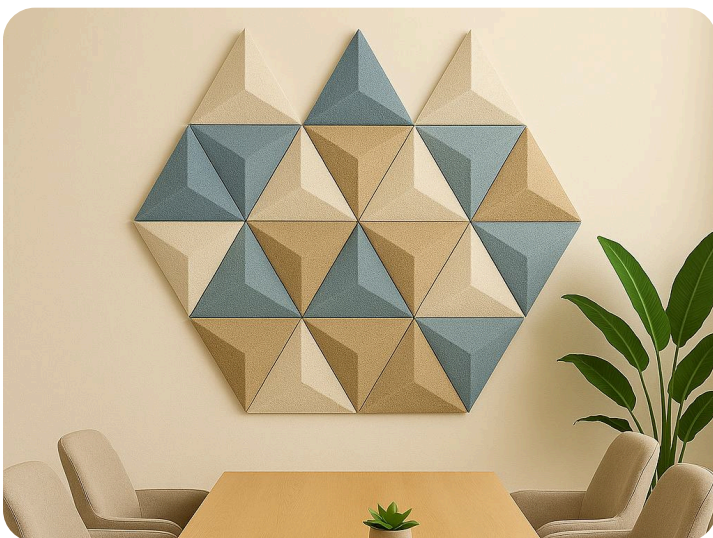
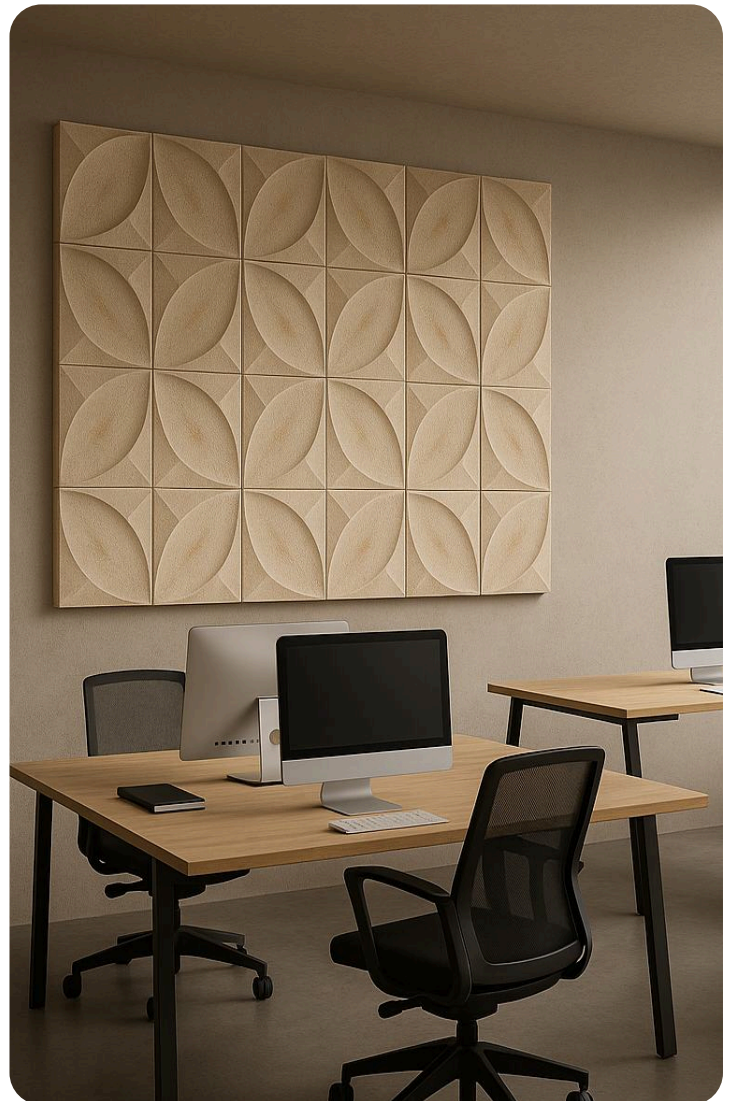


Drawings & 3D Models





River panel Illustration



Tailored to Your Vision

Let's Create Together

Bring your vision, and we'll transform it into reality. With Taftirium, architecture and nature converge to shape inspiring, sustainable biophilic spaces.

Infinite Design Freedom

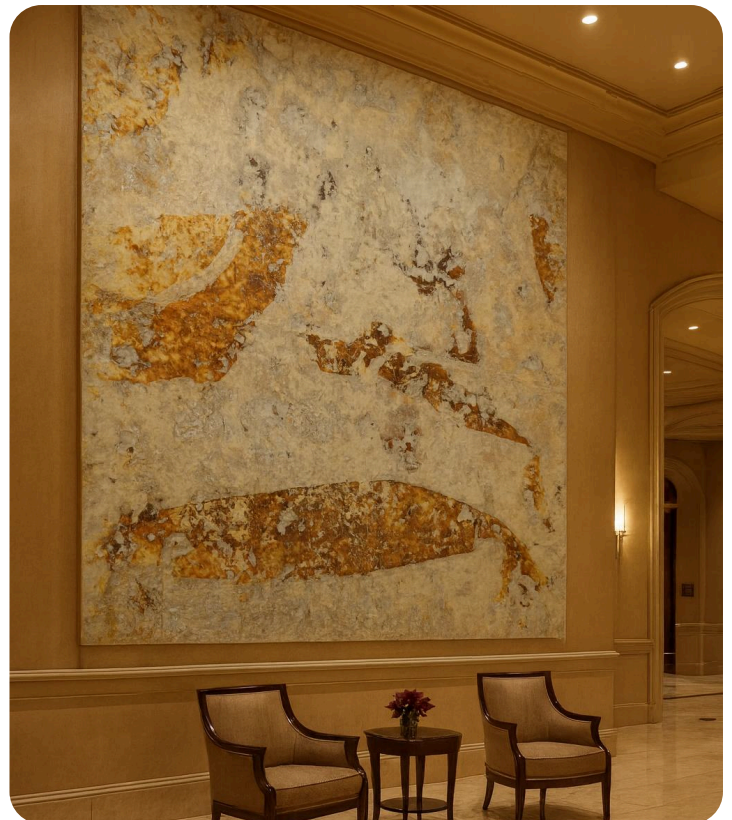
Our mycelium technology shapes panels into diverse geometries and natural tones, innovative, authentic materials that expand your design toolkit.

Collaborative by Nature

We partner with architects and designers to create bold, custom acoustic walls and feature installations tailored to your space.

For a Better World

Choosing Taftirium brings circular design and natural materials to your projects, creating healthier interiors and a more sustainable environment.



About Us

At Taftirium, we grow our materials with passion and great care.

Our team is always excited connecting innovation with nature to create sustainable solutions.

Our mission is to unite with nature, by creating healthy materials for you and the harmony of the planet.

Now we are glad to share this creation with you.



Let's Connect

For pricing, custom orders and collaborations

✉ info@taftirium.com | 🌐 www.taftirium.com

