



INNOVASIA®
SOLUTIONS

Acoustic Panels



VANK

TerraTrace®
Sustainable Business Group





At Innokasa Acoustics, supported with quality acoustic products from VANK DESIGN, products are designed intelligently with respect for nature, and manufactured using latest technologies.

Architects, creatives, engineers and artisans come together to create furniture that maintain the right balance between function and aesthetic appeal.





Specify the solution, not the problem.

TerraTrace® is Gardi'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 shares YAPOR's belief in a circular economy model, one that limits the consumption of natural resources, reduces the amount of waste generated, and increases the use of renewable, recycled and bio-based materials.

Innovative Acoustics, in partnership with YAPOR DSG&P, offers environmentally friendly and sustainable acoustic wall panels in three styles:

1. BTO panels
2. rPET panels
3. rPET panels upholstered with biodegradable and/or sustainable fabrics





BIO-PANELS



BIO panels are made from bio-composite materials like flax and hemp and are available in two colors.

BIO-light



BIO-dark



THE BIOLOGICAL CYCLE OF CIRCULAR ECONOMY



The first natural cycle is the manufacturing of natural resource products as a biodegradable material from fast-growing biomass plants, such as hemp and algae. These plants absorb CO₂ from the atmosphere during the rapid growth phase of their natural cycle and convert it into oxygen through photosynthesis. The plants used for products facilitate the use of space resources for other farming and commercial fields, where they also compete with food production facilities. The waste are made from these waste material, which are further biodegradable creating the full circular biological cycle.

BIO_PANEL LIFE CYCLE



NATURAL PHASE

Phase of fast growing biomass crops with no till and no spray



BIO-COMPOSITE

Manufacturing of bio-composite including hemp through processes in the manufacturing process results in a biodegradable material



BIO-PANELL

Panel is made in three-dimensional panels in the process of the recycling which further reduces resource demand



BIODEGRADATION

After use, panels will gradually be degraded into the composting process



rPET PANELS



rPET panels are made from post-consumer recycled PET bottles and are recyclable at the end of their lifecycle. rPET panels are available in two colors.

rPET_gray



rPET_graphite



THE TECHNICAL CYCLE OF CIRCULAR ECONOMY



The second material recovered in WEEE recovery process is PET (polyester) fabric. This material, which is the result of the recycling of plastic, which is PET bottles, is used to produce non-woven geotextile material, which is then changed and formed into the WEEE recovery plant.

WEEE RECOVERY LIFE CYCLE



WEEE RECOVERY PET RECOVERY

Non-woven geotextile material is recovered from bottles and their coverings



WEEE RECOVERY METAL RECOVERY

Recovery from scrap metal is a recycling process



WEEE RECOVERY PET RECOVERY

WEEE's recovery produces 100% recycled PET (polyester) fabric and non-woven geotextile material



WEEE RECOVERY PET RECOVERY

WEEE, PET (polyester) fabric and non-woven geotextile material are recycled



HPET PANELS WITH FABRIC FINISH

HPET panel is also available with fabric finish. Our fabric portfolio includes knoolge and/or fabrics made from natural wood which is a rapidly renewable fiber.



FABRIC OFFERINGS FOR i-PET PANELS

YVELL = 100% Recycled/Pet (Wool), 100% Polyester, 80% Polyester, 80% Recycled Fibers



1000-001



1000-002



1000-003



1000-004



1000-005



1000-006



1000-007



1000-008



1000-009



1000-010



1000-011

BLAZER LITE = 100% Virgin/Wool (Rapidly Renewable)



1000-012



1000-013



1000-014



1000-015



1000-016



1000-017



1000-018



1000-019



STANDARD - 400 Yrge/Hrue/Regule/Reverend, 400 Polyethylene

							
4000001	4000002	4000003	4000004	4000005	4000006	4000007	4000008
							
4000009	4000010	4000011	4000012	4000013	4000014	4000015	4000016
							
4000017	4000018	4000019	4000020	4000021	4000022	4000023	4000024
							
4000025	4000026	4000027	4000028	4000029	4000030	4000031	4000032
							
4000033	4000034	4000035	4000036	4000037	4000038	4000039	4000040
							
4000041	4000042	4000043	4000044	4000045	4000046	4000047	4000048
							
4000049	4000050	4000051	4000052	4000053	4000054	4000055	4000056
							
4000057	4000058	4000059	4000060	4000061	4000062	4000063	4000064
							
4000065	4000066	4000067	4000068	4000069	4000070	4000071	4000072
							
4000073	4000074	4000075					





WALL-MOUNTED ACOUSTIC PANELS

Wall-mounted 3D acoustic panels come with snap fasteners for easy fixing. All wall panel patterns can be combined and mixed together to create any configuration and are available in three versions - PET panels, RCD panels and PET panels upholstered in selected fabrics.

Acoustic grid



Height: 600 mm
Depth: 60 mm
Width: 600 mm

Acoustic panel



Height: 600 mm
Depth: 60 mm
Width: 600 mm

Acoustic panel



Height: 600 mm
Depth: 60 mm
Width: 600 mm

Acoustic grid with fabric



Height: 600 mm
Depth: 60 mm
Width: 600 mm

Acoustic panel with fabric



Height: 600 mm
Depth: 60 mm
Width: 600 mm





DIAMOND (DIA)



The geometric, non-linear form of the DIAMOND panel was awarded the international IF Design Award 2014.





FLAT (FLT)



Neutral, smooth **FLAT** panels create a minimalist surface, easy to combine with bolder, more distinctive shapes they share the space with.





ELLIPSE_COLUMN (COL)



The rounded shape of ELLIPSE panels has been created the MIT Media Lab's design studio. The panels can be connected together in many ways or to form patterns: GLOBE or LENS.





ELLIPSE_GLOBE / LENS (GLB)



The rounded shape of ELLIPSE panels has been created the MIT Media Lab's design studio. The panels can be connected together in many ways or to form patterns: GLOBE or LENS.



Table 1. The mean (SD) age, height, weight, and body mass index (BMI) of the participants in each group.

Group	Age (years)	Height (cm)	Weight (kg)	BMI (kg m ⁻²)
Control	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
Low	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
High	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)

Control = no training; Low = low intensity training; High = high intensity training.

Table 2. The mean (SD) age, height, weight, and body mass index (BMI) of the participants in each group.

Group	Age (years)	Height (cm)	Weight (kg)	BMI (kg m ⁻²)
Control	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
Low	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
High	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)

Control = no training; Low = low intensity training; High = high intensity training.

Table 3. The mean (SD) age, height, weight, and body mass index (BMI) of the participants in each group.

Group	Age (years)	Height (cm)	Weight (kg)	BMI (kg m ⁻²)
Control	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
Low	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
High	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)

Control = no training; Low = low intensity training; High = high intensity training.

Table 4. The mean (SD) age, height, weight, and body mass index (BMI) of the participants in each group.

Group	Age (years)	Height (cm)	Weight (kg)	BMI (kg m ⁻²)
Control	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
Low	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)
High	12.1 (0.4)	150.5 (6.5)	43.2 (10.5)	19.2 (3.2)

WAVE (PAAW)



The inspiration behind the wavy shape of WAVE panels is the phenomenon of two opposing sound waves meeting head-on, becoming both 'cancelled' as a result.





ACOUSTIC ART & DECORATIVE CONFIGURATIONS

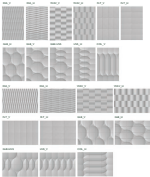
Designed with intelligence, designed with respect for nature, and designed for acoustic comfort, YAMR's acoustic panels have not been unnoticed.

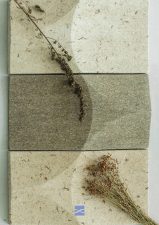
The 3D acoustic panels can be customizing by designers to become creative wall finishes in office environments, public spaces, and residential buildings. The panels, available in 4 patterns (DIAMOND, WAVE, FLAT, SLURF) and COLUMNS, can become impressive large-scale geometric decorations.

The panels can be combined to form horizontal or vertical art panels on a special YAMR background. They will cover entire walls of rooms or become acoustic 'handles of art' with dimensions of 180cm x 240cm or 240cm x 180cm.



ACOUSTIC ART





ACOUSTIC PERFORMANCE

The three-dimensional structure of BMS® panels guarantees effective dispersion of acoustic waves and sound absorption at the level of 0.90.

WALL PANELS ACOUSTICS

The three-dimensional structure of BMS® panels allows dispersion of acoustic waves and sound absorption at the level of 0.90.



Red line: Standard frequency range

Blue line: Measured results

Acoustic absorption (BMS®) panels - 100-1000 Hz - 0.90 - 0.38
Acoustic absorption (BMS®) panels - 100-1000 Hz - 0.90 - 0.38





Environment

Key Features

- Manufactured from fast-growing, robust crops such as rice and hemp.
- The fibrous plants absorb carbon dioxide from the atmosphere.
- HARM_BIO panels can be disposed of in the composting process.
- Incorporation of natural dyes (including corn-based pigments) in the manufacturing process.
- Manufactured from post-consumer recycled materials recovered from bottles and floor coverings. HBT panels can be recycled again after their useful life.

Awards

- HARMs eco-manufacturing process was recognized by the jury of the International Green Product.
- Award 2021 for Inside Design Awards 2021 HARM_BIO_HARM was among the finalists of the German Sustainability Award 2021.



CONTACT US

For inquiries, please contact your local distributor below or email us at usa@innovas.com.

USA HEAD OFFICE

Innovas Incorporated
Mass (Tel) 781-281-1111



DIERCHMICK BY INNOVAS

COSTA RICA

Reynolds
Mass (Tel) 2702-1111

DISTRIBUTORS IN ASIA:

CHINA

Innovas (Hongkong) Co., Ltd.
Mass (Tel) 281-1111

HONG KONG

Innovas (Hong Kong) Ltd.
Mass (Tel) 281-1111

JAPAN

Innovas K.K.
Mass (Tel) 281-1111

INDONESIA

Innovas (Korea) Co., Ltd.
Mass (Tel) 281-1111

SINGAPORE

Innovas Singapore Pte. Ltd.
Mass (Tel) 281-1111

THAILAND

Innovas (Thailand) (Private) Co., Ltd.
Mass (Tel) 281-1111

Innovas is a registered trademark of Innovas, Inc.

www.innovas.com