



**ECO-AEROGELS™**

**| CAPIWORLD**

[www.capiworld.com.vn](http://www.capiworld.com.vn)



# Chartered Aerogels Premier for Innovative World



CAPIWORLD Co., Ltd is a Technology Leader in Sustainability. We are charting a path to green product solutions. Aerogels made from natural or recycled raw materials are the basis for sustainable consumer products. We use recycled environmental waste to produce eco-friendly aerogels for a wider range of applications.

Our contribution to a better tomorrow. Innovative ECO-AEROGELS products made by Capiworld address tomorrow's challenges today, meeting the requirements of customers through the use of novel manufacturing methodologies to produce ECO-AEROGELS using recycled raw materials (such as recycled polyester fibres, recycled cotton fibres, recycled tyre scrap fibres) OR using agricultural by-products (pineapple leaf, rice husk, rice straw, sugarcane carcass, coir, hemp, tree bark...). Made to a large extent from natural or recycled raw materials, the high-tech materials are also recyclable themselves. ECO-AEROGELS technologies not only ensure the properties as well as the reusability of product, but also bring benefits with regards to environmental sustainability by no harmful chemicals or toxic solvents used. The ECO-AEROGELS product are odorless and, do not pose health risks to workers and users alike.

We are committed to produce high quality eco-friendly aerogels that appeal to a broader global market without compromising on long term environmental sustainability.

Our range of ECO-AEROGELS forms provide unique solutions across a wide range of applications, innovatively upcycled from environmental waste.





**Green building  
compliance** *with*

**ECO-AEROGELS™**

**Circular economy  
standards**

Capiworld, a leading manufacturer based in Vietnam, stands at the forefront of aerogel innovations with its ECO-AEROGELS product line. Anchored in the mission "Chartered Aerogels Premier for Innovation World," the company is dedicated to pioneering eco-friendly solutions that seamlessly align with both green building regulations and circular economy standards.

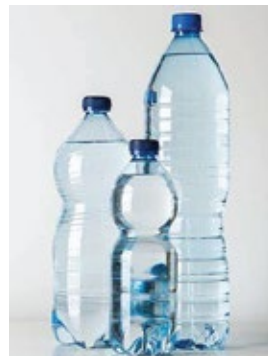
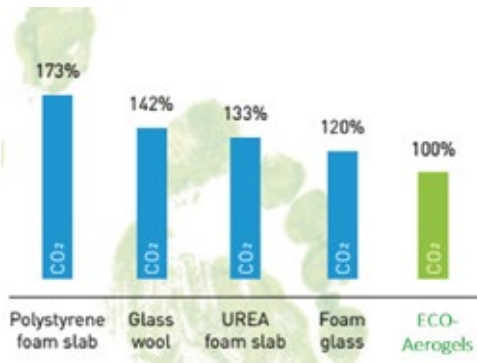
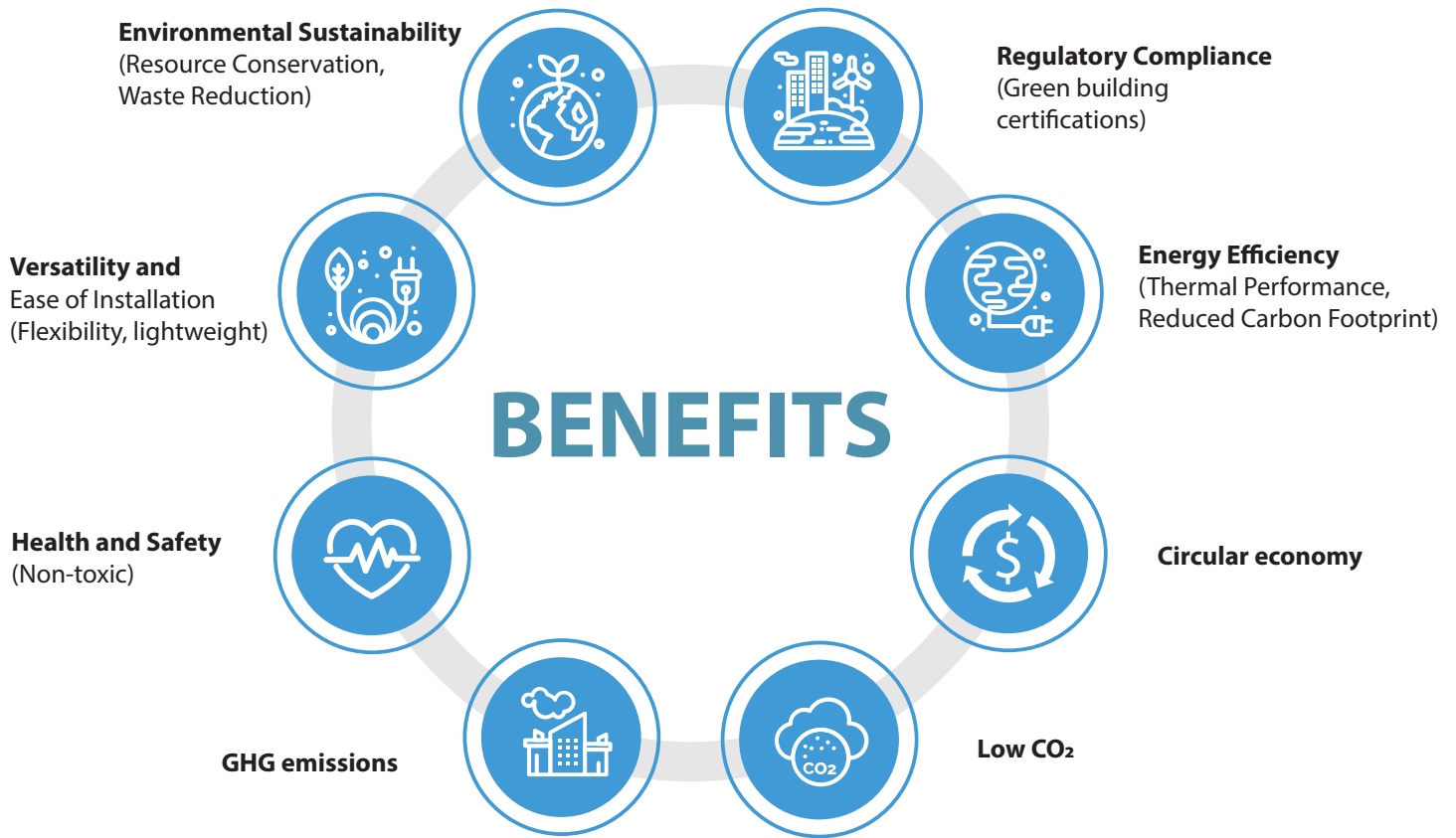
The production process of ECO-AEROGELS, meticulously designed with a laser focus on sustainability, intentionally adheres to the stringent requirements of these respected green technologies. By utilizing natural and recycled raw materials and completely avoiding toxic chemicals or solvents, ECO-AEROGELS contribute to a circular economy and align with the principles advocated by LOTUS®, LEED®, Green Star®, MyHIJAU® Certification.

Capiworld's unwavering commitment to environmental responsibility is further demonstrated through the implementation of its Zero Waste Program. The majority of manufacturing waste is efficiently recycled back into the production process, minimizing environmental impact and supporting circular economy practices – a critical aspect of green building regulations.

Renowned for their ultra-lightweight composition, recyclability, and reusability, ECO-AEROGELS emerge as a competitive choice for insulation applications. When integrated into buildings and transportation, these aerogels offer high-performance insulation, effectively curbing energy consumption and greenhouse gas emissions. Their flame retardant and low thermal conductivity enhance safety and contribute to aesthetic considerations.

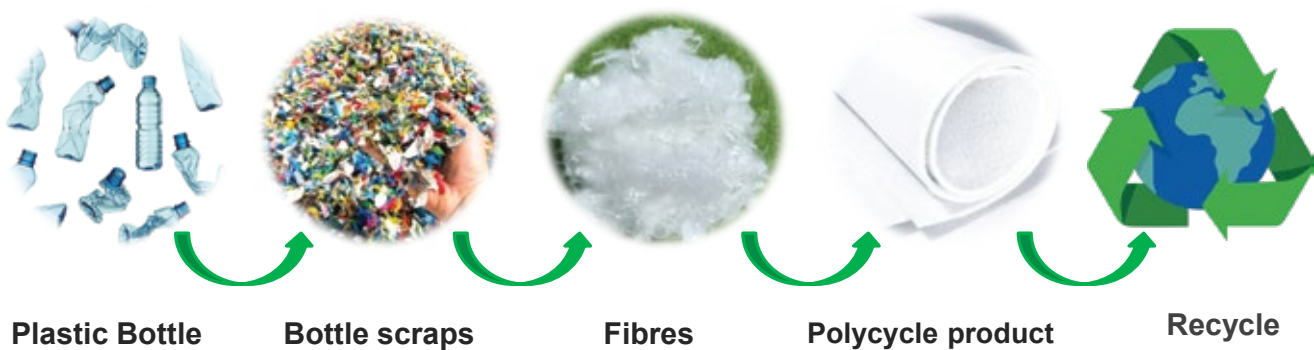
Beyond insulation benefits, ECO-AEROGELS exhibit exceptional mechanical properties and flexibility, maintaining structural integrity under various stresses. Rigorous toxicity tests confirm their non-toxic, non-allergenic, and non-irritating nature, ensuring the safety of users in diverse applications.

In summary, Capiworld's ECO-AEROGELS showcase outstanding performance and exemplify a commitment to sustainability, circular economy practices, and compliance with green building regulations. Through an eco-friendly production process that conserves resources and prioritizes customer safety, these aerogels represent a paradigm shift towards innovative and responsible solutions in both construction and design.



**1 M<sup>2</sup> OF INSULATION (50MM) CAN BE MADE FROM 200 TO 300 PLASTIC BOTTLES 500 ML**

## ECO CYCLE of ECO-AEROGELS PRODUCT



Reuse over 110 million PET bottles  
Saving 1,200 - 5,000 tons of CO<sub>2</sub> emissions every year



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

**CAPIWORLD COMPANY LIMITED**  
Head Office (Business registration only):  
57/29 Pham Thai Buong Street, Nam Thien 1 Aera,  
Tan Phong Ward, District 7,  
Ho Chi Minh City,  
Vietnam

Holds Certificate Number: **FM 795828**

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

**Manufacturing super lightweight materials, soundproofing materials, thermal insulation materials, fire-resistant materials.**

For and on behalf of BSI:

Michael Lam  
Managing Director Assurance, APAC

Original Registration Date: **12/10/2023**  
Latest Revision Date: **12/10/2023**

On behalf of BSI Vietnam:

DuyenAnh Le  
Managing Director Vietnam

Effective Date: **12/10/2023**  
Expiry Date: **11/10/2026**

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...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated online. Printed copies can be validated at [www.bsigroup.com/Check-Directory](https://www.bsigroup.com/Check-Directory) or telephone +44 (0) 300 200 900. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, Tel: +44 (0) 300 9000. BSI Assurance UK Limited, registered in England under number 7505332 at 389 Chiswick High Road, London W4 4AL, UK. Contact Office: BSI Vietnam Headquarters, 15 Floor AEC Tower, 15/80 Tran Phu Street, Ward 2, Binh Thuan District, Ho Chi Minh City, Vietnam. Telephone: +84 (0) 30 200 900. A member of the BSI Group of Companies.



# Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM – ISO 14001:2015

This is to certify that:

**CAPIWORLD COMPANY LIMITED**  
Head Office (Business registration only):  
57/29 Pham Thai Buong Street, Nam Thien 1 Aera,  
Tan Phong Ward, District 7,  
Ho Chi Minh City,  
Vietnam

Holds Certificate Number: **EMS 795829**

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

**Manufacturing super lightweight materials, soundproofing materials, thermal insulation materials, fire-resistant materials.**

For and on behalf of BSI:

Michael Lam  
Managing Director Assurance, APAC

Original Registration Date: **12/10/2023**  
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15 July 2025

The Directors  
Capiworld Company Limited  
**HEAD OFFICE:** 57/29 Pham Thai Buong Str,  
Nam Thien 1 Aera, Tan Phong Ward, Dist. 7  
Ho Chi Minh city, Vietnam  
**FACTORY:** No.999, Provincial Road 864, Hamlet Tay,  
Kim Son Commune, Chau Thanh District,  
Tien Giang Province, Vietnam

Attention: Dave Le  
By email: [duyenlk@capiworld.com.vn](mailto:duyenlk@capiworld.com.vn)

Dear Mr Dave Le,  
The purpose of this letter is to clarify matters set out in the Global GreenTag certificate. It provides additional information on the scope, limitations and exclusions of the certificate issued based on information provided by the applicant and its suppliers. It is not a certificate and is not a substitute for the certificate, nor does it include any product variants apart from those specifically shown below.

Scope definition	The certificate applies to Eco-Aerogels Polycycle Products produced by Capiworld at their Hochiminh City factory, Vietnam.
GreenTag Standard	Global GreenTag International Standard v4.0
Certification level	HealthRATE Platinum
Licence number	CAP-PO01:2023-PH
Limitations and exclusions:	The certificate is limited to the following products only: ECO-AEROGELS POLYCYCLE INSULATION, ECO-AEROGELS POLYCYCLE THERMOGUARD ECO-AEROGELS POLYSORBENT, ECO-AEROGELS POLYFILTER, ECO-AEROGELS PURESAPCE ACOUSTIC & ECO-AEROGELS POLYCYCLE ACOUSORB.

This section of the letter clarifies the credit verification types for the awarded certificates.

Rating Tool	Credit	Verification Type <sup>1</sup>	Certificates
Green Star® Australia "Buildings" v1.0 Rating Tool	Credit 9: Responsible Finishes	Recognised Compliant	HealthRATE Platinum
Green Star® Australia "Buildings" v1.0 Rating Tool	Credit 13: Exposure to Toxins	Audit Verified Compliant	HealthRATE Platinum
Green Star® Australia "Interiors v1.3" Rating Tool	Credit 21: Sustainable Products	Recognised Compliant	HealthRATE Platinum
Green Star® Australia "Performance 1.2" Rating Tool	Credit 21: Procurement and Purchasing (Consumable Materials)	Recognised Evidence	HealthRATE Platinum
IWB1® WELL v1.0 Features	Feature 26 Enhanced Material Safety (Part 1)	Recognised Compliant	HealthRATE Platinum
IWB1® WELL v1.0 Features	Feature 97 Material Transparency (Part 1)	Recognised Compliant	HealthRATE Platinum

Rating Tool	Credit	Verification Type <sup>1</sup>	Certificates
IWB1® WELL v2.0 Features	X07 Materials Transparency (Parts 1)	Recognised Compliant	HealthRATE Platinum
IWB1® WELL v2.0 Features	X08 Materials Optimization (Part 2)	Recognised Compliant	HealthRATE Platinum
IWB1® WELL v2.0 Features	X01 Material Restrictions (Part 2)	Audit Verified Compliant	HealthRATE Platinum
IWB1® WELL v2.0 Features	X05 Enhanced Material Restrictions (Part 2)	Audit Verified Compliant	HealthRATE Platinum
IWB1® WELL v2.0 Features	X07 Materials Transparency (Part 2)	Audit Verified Compliant	HealthRATE Platinum
IWB1® WELL v2.0 Features	X08 Materials Optimization (Part 1)	Audit Verified Compliant	HealthRATE Platinum
IS® v1.2	Mat-2 Environmentally Labelled Products and Supply Chain	Recognised Compliant	HealthRATE Platinum
IS® Design & As Built v2.1	Rso-7 Sustainability Labelled Products and Supply Chains	Recognised Compliant	HealthRATE Platinum
EarthCheck Rating Tool	Sustainable Materials	Recognised Compliant	HealthRATE Platinum
GreenTech Malaysia's MYHIAU Ecolabelling and Green Products Database	N/A	Recognised Compliant <sup>1</sup>	HealthRATE Platinum
LEED® v4.1 for Building Design and Construction Rating Tool:	MR Credit: Building Product Disclosure and Optimization - Material Ingredients: Option 1 (Material Ingredient Reporting)	Audit Verified Compliant	HealthRATE Platinum
LEED® v4.1 for Building Design and Construction Rating Tool:	MR Credit: Building Product Disclosure and Optimization - Material Ingredients: Option 2 (Material Ingredient Optimization)	Recognised Compliant <sup>2</sup>	HealthRATE Platinum
LOTUS® Vietnam 'New Construction' V3	Credit H-PR-2: Low Emission Products	Recognised Compliant	HealthRATE Platinum
LOTUS® Vietnam 'New Construction' V3	Credit H-2: Low Emission Products	Recognised Compliant	HealthRATE Platinum

This information is provided to the applicant in complement to the certificate to ensure that the Global GreenTag Certification Mark is used only for products covered by the scope defined therein and in accordance to the GreenTag Rules for the Use of Mark, and Terms and Conditions documents.

Global GreenTag Pty Ltd per

David Baggs  
CEO  
FLAIA, Green Star AP, LEED AP, MACS, Exemplar Global Lead Auditor

<sup>1</sup> Requires submission to MYHIAU. Our Global GreenTag Malaysia agent can assist.

<sup>2</sup> For International Alternative Compliance Path



# UPCYCLING WASTE INTO HIGH-VALUE APPLICATION





ECO-AEROGELS™

# POLYCYCLE INSULATION

Breathe Easy. Live Comfortably. Insulate Smarter



## SMART INSULATION FOR HEALTHY LIVING

Polycycle is a 100% polyester insulation that delivers exceptional thermal and acoustic performance - keeps your home warmer in winter and cooler in summer - while cutting noise and energy bills.



## WHY CHOOSE POLYCYCLE?

- |                        |  |
|------------------------|--|
| ● Thermal Comfort      | Maintain consistent indoor temperature, year-round             |
| ● Energy Efficiency    | Lower heating & cooling costs for long-term savings            |
| ● Noise Reduction      | High-density design for a peaceful, quieter home               |
| ● Sustainable Material | Made from 80% recycled plastic bottles – safe, non-toxic       |
| ● Built to Last        | Will not sag, settle, or deteriorate over time                 |
| ● Safe to Handle       | No PPE needed – no itch, no loose fibres, no chemicals         |
| ● Fire Compliant       | Meets strict Australian fire safety standards                  |
| ● Easy to Install      | Snug fit between wall studs or ceiling joists—no mess, no fuss |

## IDEAL FOR

- Builders & Developers
- Renovators & Homeowners
- Architects & Designers
- Eco & Energy-Efficient Projects

*Perfect for retrofits or new builds - comfort and peace of mind that lasts.*

## CERTIFICATIONS



## YOU'LL LOVE

- Clean & fast installation
- No gloves, masks, or suits required
- Safe to touch – even barehanded
- Consistent energy savings
- Healthier, quieter, sustainable living



## TECHNICAL HIGHLIGHTS

Specification	Result
Recycled Content	80% from plastic bottles
VOC Emissions	< 20 µg/m <sup>3</sup> (ISO 16000)
Formaldehyde	< 0.05 ppm (ASTM D6007)
Moisture Sorption	< 0.5% (ASTM C1104)
Fire Rating (AS/NZS 1530.3)	Ignitability: 0, Smoke: 1

## SPECIFICATIONS

Code	R-value (m2k/W)	Thickness (mm)	Size (mm)	Piece per pack	M2 per pack
<b>A23B - 015</b>	1.5	90	430 x 1160	20	10.0
<b>A23B - 016</b>	1.5	90	580 x 1160	20	13.5
<b>A23B - 029</b>	2	90	430 x 1160	20	10.0
<b>A23B - 030</b>	2	90	580 x 1160	20	13.5
<b>A23B - 057</b>	2.5	140	430 x 1160	16	8.0
<b>A23B - 058</b>	2.5	140	580 x 1160	16	10.8
<b>A23B - 071</b>	3	150	430 x 1160	14	7.0
<b>A23B - 072</b>	3	150	580 x 1160	14	9.4
<b>A23B - 073</b>	3.5	200	430 x 1160	12	6.0
<b>A23B - 074</b>	3.5	200	580 x 1160	12	8.1

*Built for Comfort. Made to Last. Designed for a Greener Tomorrow.*



ECO-AEROGELS™

# PURESPACE ACOUSTIC INSULATION

Silence Inside. Pure Design. Comfort everywhere.

High-performance acoustic solutions engineered to absorb sound, reduce reverberation and enhance interior sound quality.



## KEY FEATURES

- High Acoustic Performance Effectively absorbs noise and reduces echo
- Thermal Efficiency Enhances internal temperature stability
- Non-Toxic & Safe No chemicals, non-irritants, dust-free and low VOC
- Moisture Resistant Unaffected by humidity or mold
- Environmentally Conscious Made with up to 80% recycled polyester
- Sustainable Design Fully recyclable, supporting green building

## IDEAL FOR

- Offices & Conference Rooms
- Schools & Auditoriums
- Ceilings, Walls, Partitions, Panels & Acoustic Baffles
- Hospitals & Care Centers
- Apartments & Home Theatres

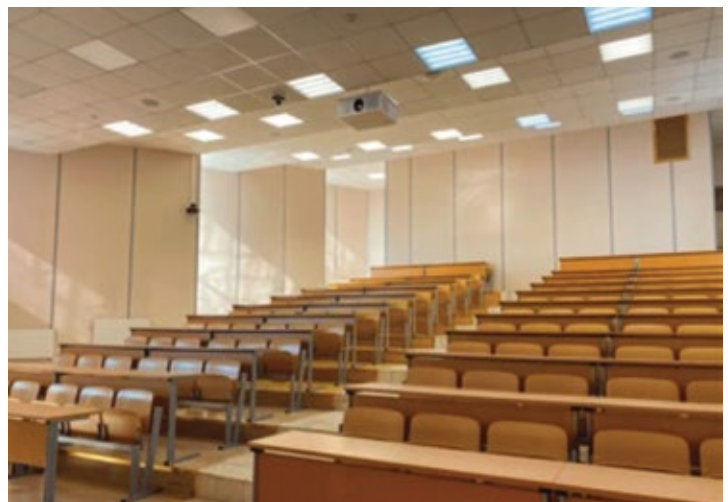
## CERTIFICATIONS



## BUILT FOR THE GREEN FUTURE

PureSpace supports a sustainable tomorrow:

- Recycled
- Recyclable
- Responsible



## SPECIFICATIONS

Attribute	Value
NRC (Noise Reduction)	<i>From 0.85 to 1.0 (depending on thickness &amp; application)</i>
Material	<i>100% Polyester Fibre (80% Recycled Content)</i>
Thickness Options	<i>25mm, 50mm, 75mm</i>
Sizes Available	<i>1200mm x 2400mm (custom sizes on request)</i>
Fire Rating	<i>AS/NZS 1530.3 – Group 1, Low Smoke Index</i>
Emissions	<i>Low VOC, Formaldehyde-free</i>
Density	<i>42–60 kg/m<sup>3</sup> (varies by product line)</i>
Color	<i>White and Black</i>

*Let's Make Your Space Sound Better - Because Silence Should Be Pure.*



ECO-AEROGELS™

PURESPACE

# NATURAL FABRIC FINISHES

At Purespace, we create acoustic insulation that does more than absorb sound—it adds character and sustainability to every space. By covering our high-performance acoustic cores with natural fabrics and fibers, we offer a range of textures, colors, and styles that merge functionality with design.



## KEY BENEFITS

- Superior acoustic performance: Effectively reduces noise and echo, creating calm and comfortable environments.
- Sustainable innovation: Utilizes renewable, carbon-neutral, and upcycled fibers that minimize environmental impact.
- Design versatility: Wide variety of colors, patterns, and textures to match any interior style—from modern minimalism to natural and rustic.
- Health & safety: Non-toxic, breathable surfaces that support healthier indoor environments.
- Durability: Strong natural fibers ensure long-lasting performance without compromising aesthetics.

## APPLICATIONS

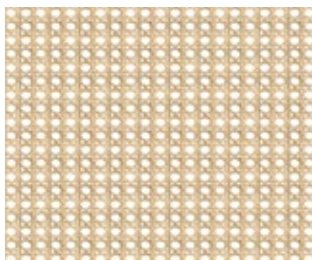
- Offices and meeting rooms need both quiet and a modern finish.
- Residential interiors where comfort and style go hand in hand.
- Hospitality and retail spaces that demand atmosphere, acoustics, and sustainability.

## CERTIFICATIONS

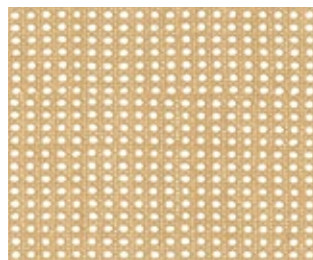


## MATERIALS WE USE

- Hemp fabric: Durable, breathable, and naturally sustainable.
- Agricultural by-product fibers: Pineapple, banana, and other plant-based fibers repurposed into stylish, eco-friendly textiles.
- Natural surfaces: Rattan, raffia, jute, sisal and woven natural fibers that bring warmth and organic beauty to interiors.



MM01



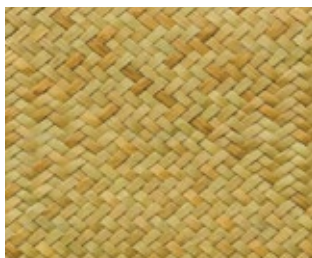
MM02



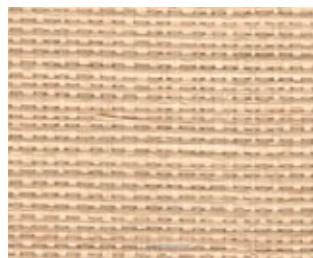
MC01



MC02



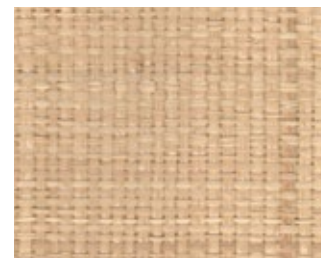
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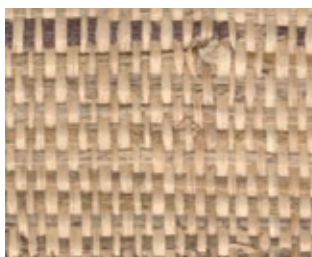
RR01



RR02



RR03



BF01



SS01



YY01



YY02

Fabric finishing can customise as requested



ECO-AEROGELS™

PURESPACE

# NATURAL FIBER ACOUSTIC PANELS

We believe great design should sound beautiful, look inspiring, and feel responsible. That's why we've developed a new generation of acoustic panels—crafted with 100% natural fibers, led by premium hemp fabric and supported by fibers from pineapple, banana, and other agricultural by-products.

This collection is more than insulation—it's a statement. Each panel merges world-class acoustic performance with a rich, natural aesthetic, offering designers and builders an authentic, eco-conscious alternative to synthetic finishes.



## IMPACT

- Pale blue dot
- Capturing carbon – naturally
- Each factory captures as much carbon
- Zero waste
- Renewable resources
- Health

## BENEFITS

- Quiet acoustics
- Natural fibres
- Easy Build
- Stores carbon
- Preserves buildings
- Circular

## WHERE IT BELONGS

- Workplaces that demand focus and well-being.
- Hospitality and retail spaces where atmosphere matters.
- Homes that embrace natural beauty and acoustic comfort.

With this launch, PureSpace is redefining acoustic design—proving that sustainability, performance, and style can coexist naturally.

## CERTIFICATIONS



## MATERIALS WE USE

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6A



29A



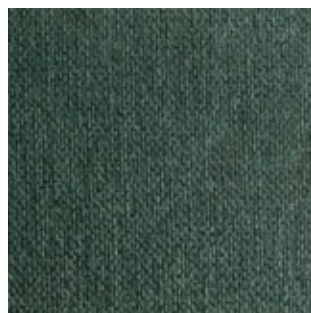
60B



22R



18A



57A



17A



26A

Fabric finishing can customise as requested

## BEFORE INSTALLATION

Ensure all safety requirements are met during the installation of Polycycle Insulation soundproof panels. The installation area must be clear of any obstructions or objects that may block access.

Prepare all necessary tools and materials for installation, such as ladders, scissors, cutting knives, polyester strings, adhesive tape, etc.

Identify the installation locations, calculate the surface area, and determine the number of panels required.

## INSTALLATION INSTRUCTIONS

Warning: Electrical wires or devices that are partially or fully covered by Polycycle Insulation panels may overheat and become damaged. For newly installed electrical wiring in construction, the covered section may extend up to 400 mm. If more than 400 mm of wiring is covered by Polycycle Insulation panels, consult an electrical engineer for further guidance.

## INSTALLATION PRINCIPLES FOR CEILINGS

- Ensure the selected product meets technical specifications.
- Prepare the required number of panels for the installation project.
- Only open the packaging immediately before installation.
- Installers must position themselves safely and ergonomically during installation.
- Maintain a minimum clearance of 50 mm when installing near chimneys or ventilation ducts.
- Switch off the power supply in the installation area and display safety warning signs.
- Always have a supervisor present during the installation process.

## INSTALLATION STEPS

### Step 1: Preparation

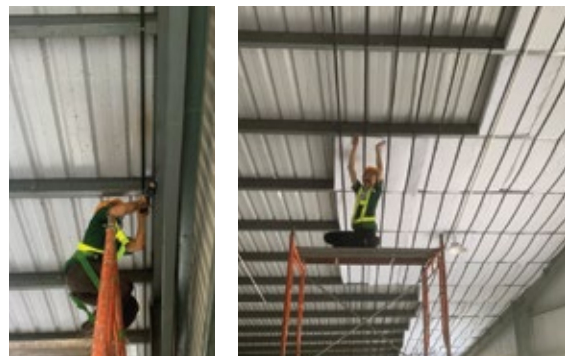
- Prepare the necessary number of panels in the installation area.
- Open the packaging right before installation.
- Measure the installation area and cut the panels to the required size.
- 

### Step 2: Installation

- Begin installation from a corner.
- Stretch support wires beneath the panels. Depending on whether panels are installed lengthwise or crosswise, adjust the spacing between the wires so that each panel rests securely on two support wires. Fix the wires to the frame with screws. Ensure the spacing is evenly distributed so that the next row of panels also rests properly on the support wires.
- Place the panels on the support wires, adjusting the spacing so they fit snugly and remain stable.
- Install the ceiling board beneath the insulation panels.

### Step 3: Inspection

- After installation, check all areas to ensure the panels are properly placed according to requirements.
- Dispose of packaging waste as household trash.



## Installation Guide for PureSpace Soundproofing Materials

This document summarizes the key steps for effective and safe installation of PureSpace soundproof panels. Please refer to the latest technical documents from the manufacturer for detailed instructions.

### 1. BEFORE INSTALLATION

#### Storage & Transportation

- Store panels horizontally on a flat, dry, and clean surface.
- Transport panels vertically with two people handling.
- Wear clean gloves to avoid stains.
- Carefully inspect the product before cutting or installation (color, batch number, damage).

#### Surface Preparation

- Clean the surface to remove dust, grease, and ensure it is completely dry.
- Seal all gaps and cracks with specialized sealing tape.
- Lightly sand glossy painted surfaces to improve adhesion.

#### Installation Planning

- Measure the installation area.
- Lay out panels for a trial fitting to check color consistency and thickness.
- Plan panel joints (tongue-and-groove or direct butt joint).

### 2. INSTALLING THE SOUNDPROOF PANELS

#### Cutting the Panels

- Use specialized tools or a serrated knife to cut.
- Cut on a stable surface with a straightedge.
- Test cut a sample panel first.

#### Adhesive Application

*Recommendation: Use high-adhesion MS Polymer adhesive or other suitable adhesive.*

#### Wall Installation:

- Apply adhesive in vertical lines, spaced 300 mm apart, each bead  $\geq$  6 mm wide.
- Keep 30–50 mm away from panel edges to prevent overflow.

#### Ceiling Installation:

- Apply adhesive around the panel edges, keeping 30–50 mm from the edge.
- Apply adhesive lines across the panel length/width, spaced max. 300 mm apart.

#### Fixing the Panels

- Attach immediately after applying adhesive (before surface curing).
- Align and press panels onto the surface, working from the center outward.
- Use a wide roller (100–150 mm) to press panels evenly.
- For ceilings: use temporary supports or double-sided tape to hold until adhesive cures.

### 3. FINISHING

#### Panel Jointing

##### Tongue-and-Groove (Recommended):

- Leave a gap equal to panel thickness for alignment and aesthetics.

##### Direct Butt Joint (Optional):

- Check and adjust thickness of each panel before installation. Use shims if necessary.

#### Decorative Fabric Application (if required):

- Apply fabric after installing panels and sealing joints.
- Ensure consistent fabric grain direction. Apply from top down using spray adhesive.

#### Final Steps

- Remove protective film (if any) after completion.
- Reinstall electrical and plumbing fixtures by qualified personnel.
- Clean the site, remove excess adhesive, and dispose of waste properly.

Contact Capiworld or visit [capiworld.com.vn](http://capiworld.com.vn) for more details.



ECO-AEROGELS™

# RUBCYCLE MATS

RUBCYCLE MATS are made with the green- innovative technology to ensure the highest purity and that the end-products meet international quality standards and commit to the environmental change. The product is typically made from 100% recycled rubber, often sourced from scrap tires, which are processed and granulated to create mats.



## KEY FEATURES

- Non-slip flooring
- Shock absorption
- Sound reduction
- Waterproof & Weatherproof
- Easy to clean and maintenance
- Long life-time



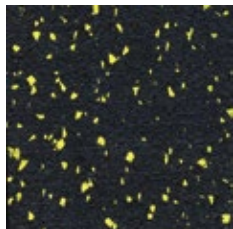
## IDEAL FOR

- Gyms, stores, and offices
- Commercial Spaces
- Playgrounds and Recreational Areas
- Industrial Settings
- Home Use

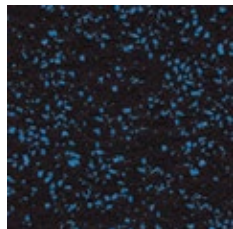
## SPECIFICATIONS

Size: 1 m x 10 m

Thickness: 4-10 mm or customized



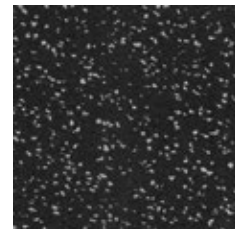
THAM01C



THAM03C

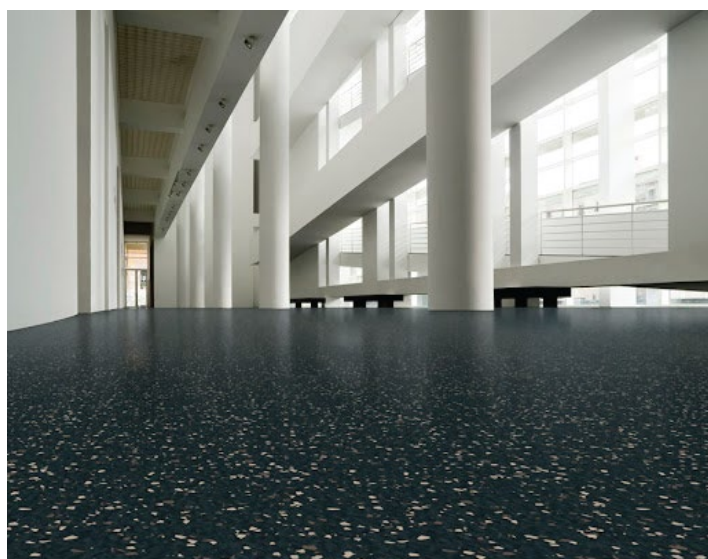
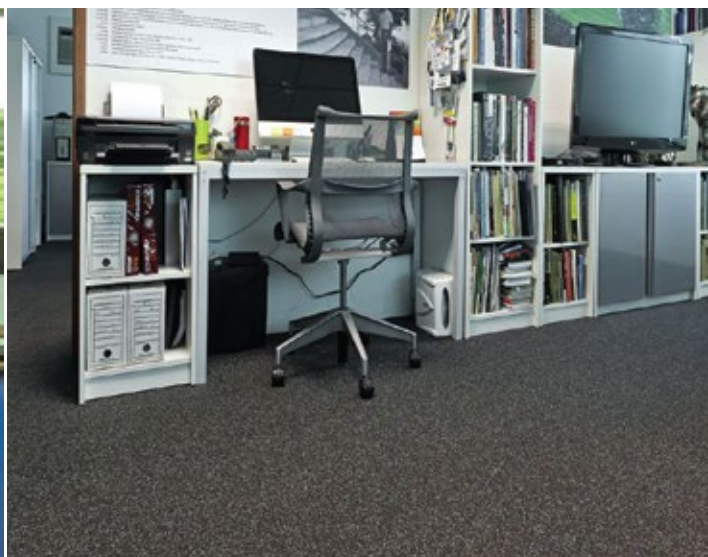


THAM06C



THAM08C

## APPLICATIONS





ECO-AEROGELS™

# MODIFIED PINE FLOORING BOARDS

Modified pine flooring boards are crafted from pine wood, known for its rustic charm and affordability. These boards are often treated to enhance their durability and resistance to wear, making them suitable for various residential and commercial applications.

## BENEFITS

**Cost-Effective:** Modified pine is generally more affordable than hardwood options, making it an attractive choice for budget-conscious consumers.

**Aesthetic Appeal:** The natural grain and knots of pine provide a warm, inviting look that complements a range of interior styles.

## FEATURES

**Easy Installation:** These boards are designed for straightforward installation, often featuring tongue-and-groove edges that facilitate a seamless fit.

**Versatile Finishes:** Modified pine can be stained or finished in various ways to achieve the desired look.



## IDEAL FOR

- Ideal for living rooms, bedrooms, and other residential spaces, modified pine flooring can also be used in commercial settings where a rustic aesthetic is desired.

## SPECIFICATIONS

Thickness: 15-24mm  
Dimension: 90-180 mm x 0.6-1.8 m  
Color: Nature

## APPLICATIONS



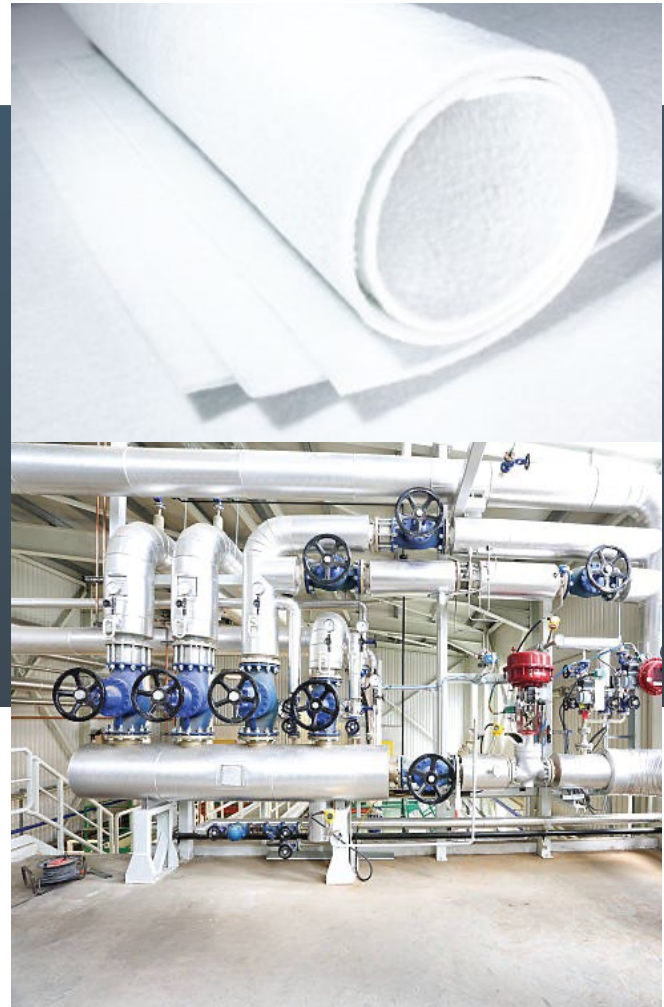
# POLYCYCLE THERMOGUARD

Minimize heat loss, maximize savings

Polycycle Thermoguard is a flexible thermal insulation made from recycled polyester fibers using green technology. The product is specifically designed to create a barrier against undesired heat flow and minimize heat transfer between equipment and the surrounding environment. This helps maintain the temperature of the process fluid at the desired level and prevents unnecessary heat loss or gain, thereby reducing operating costs for heating and cooling. Additionally, this insulation provides an additional layer of safety by protecting personnel from the potential health hazards associated with contact with hot surfaces. When incorporated into footwear and apparel, Polycycle Thermoguard enhances insulation capabilities, ensuring optimal warmth and comfort.

## FEATURES

- Recyclability
- Eco-friendly
- Fire retardant
- Non-toxic
- Sound reduction
- Thermal control
- Easy to use
- Water resistance



## APPLICATION

- Thermal equipment (turbines, boilers, heat exchangers, heaters, covers of motors, flanged joints)
- Process equipment (pumps, valves, filters, water tanks and tanks with liquefied gas, refrigerators and freezers)
- Pipeline
- Footwear and apparel



CODE	R-value (m <sup>2</sup> k/W)	Thickness (mm)	Size (m)	Roll per pack	m <sup>2</sup> per pack
<b>A04R-016</b>	0.031	3	1.2 × 30	1 cuộn/túi	36
<b>A04R-021</b>	0.032	5	1.2 × 30	1 cuộn/túi	36
<b>A04R-028</b>	0.032	8	1.2 × 20	1 cuộn/túi	24



ECO-AEROGELS™

# POLYSORPBENT

Clean spills, save the planet

Polysorbent are made from plastic waste fibers, principally polyethylene terephthalate and polyester. They are lightweight and available in a wide range of formats, such as pad, mat, and roll.

With their extremely high porosity and hydrophobic properties, Polysorbent are used to control oil and fuel spills on water and land. They have a high adsorption capacity, which minimizes waste for disposal.

## FEATURES

- Recyclability
- Eco-friendly
- Multi-liquid Absorbing
- Non-toxic
- Reusable
- Easy to use
- Non-degrading
- High performance



## APPLICATIONS

- Everyday oil and fuel leaks, drips, and spills.
- Spill type: absorb oil, fuel, diesel, petrol, and other hydrocarbons



CODE	Size (m)	Thickness (mm)	Pack size	Capacity	m <sup>2</sup> per pack
A05P-002	430 × 480	5	100	90 lít	20.64
A05P-003	430 × 480	5	100	110 lít	20.64
A05P-025	600 mm x 30 m	3	1	165 lít	18.00



ECO-AEROGELS™

# POLYFILTER

Enhanced air quality,  
healthier indoor environments



Polyfilter is made of electrostatic recycled polyester fabric. Its special electrostatic filtration captures small particles, reducing dust in your home. It also acts as a guard against undesirables from entering your home.

Polyfilter is compatible with all sizes of air vents, registers, and grilles. It can be easily cut to fit vents of any size. This versatile design makes it easy to cover or install behind non-standard vent sizes and for use in DIY projects. Simply stick the installation strip to the outside of the vent and then attach the item. It can be easily replaced with dirty filters, without the need to remove air vents when changing. It is easy to apply and change and doesn't restrict airflow.

## APPLICATION

- Filtering or removing air-borne particulates
- Improving the breathable environment for occupants
- Protecting facilities' walls, ceilings, and equipment
- Protecting the contents of occupied building spaces
- Removing airborne bacteria from controlled environments

## FEATURES

- Eco-friendly
- Does not support microbial growth
- Fire retardant
- Non-toxic
- Reusable
- Recyclable
- Low resistance to airflow
- High performance
- Easy to use
- Available in custom sizes



CODE	Size (mm)	Pack size	m <sup>2</sup> per pack
A06R-024	600 mm x 30 m	1 Cuộn	18.00
A06R-025	900 mm x 30 m	1 Cuộn	27.00
A06R-026	1,200 mm x 30 m	1 Cuộn	36.00



ECO-AEROGELS™

# FLEXIBLE DUCT INSULATION

Flexibility meets efficiency in ducting

Eco-Aerogels flexible duct products are crafted using high-quality fabric, aluminum foil, Polycycle Insulation, copper wire, steel wire, and adhesives. These products are meticulously manufactured with state-of-the-art equipment, ensuring exceptional flexibility and resilience. The fabric, aluminum foil, copper wire, and steel wire are expertly bonded together, guaranteeing stability and eliminating any unwanted movement or visibility. This seamless construction process makes installation convenient and hassle-free.

## FEATURES

- Recyclable
- Eco-friendly
- Fire retardant
- Non-toxic
- Reusable
- Water & moisture resistance
- Antibacterial
- Available in custom sizes



CODE	DESCRIPTION
A10T	ALIFO A INSULATED DUCT
A11T	ALIFO B INSULATED DUCT
A12T	ALIFO 2L INSULATED DUCT



## APPLICATIONS

Tunnels, buildings, ventilation and induction pipes at construction sites, temporary construction buildings, provision of oxygen, and general air conditioning ducts



CODE	DESCRIPTION
A13T	FIBLA INSULATED DUCT
A14T	TAPAU INSULATED DUCT
A15T	ALICOUST INSULATION DUCT



# TEST RESULT

(No): DASM20032025-01

Made by Institute of Development and Application of Sound Materials

**Testing Requesting Unit:** CAPWORLD COMPANY LIMITED  
**Address:** 57/29 Pham Thai Duong, Nam Thien 1 Ward, Tan Phong Ward, District 7, Ho Chi Minh City.  
**Product Name:** PureSpace Acoustic Insulation.  
**Product Code:**  
**Product Description:** Made from PET, Thickness 50 mm, Density 75 kg/m<sup>3</sup>.  
**Brand:**  
**Manufacturer:** CAPWORLD COMPANY LIMITED  
**Manufacturer's address:** No. 999, Provincial Road 864, Hamlet Tay, Kim Son Commune, Chau Thanh District, Tien Giang Province, Vietnam  
**Test standards:** ISO 354:2003 : Acoustic - Measurement of sound absorption in a reverberation room  
 EN ISO 11654:1997 : Acoustic - Sound absorption for use in buildings - Rating of sound absorption  
**Test date:** 17/03/2025  
**Test results:**

**Sound absorption coefficient NRC = 0.95**  
**Classification of absorption levels: A**



**Note:**  
 - The results are only valid for the test sample provided by the customer. The sample name and customer name are provided by the customer.  
 - The customer is not allowed to copy any part of this test result without the consent of the laboratory.  
 - (P) The test result has not been recognized. (N) The test result has been tested by a subcontractor.  
 - The laboratory is committed to keeping confidential all information related to the customer and the submitted sample.  
 - Sample storage time: 07 days from the date of returning the result

Made by Institute of Development and Application of Sound Materials  
 Hotline: 0908018216 Email: dasm.com.vn@gmail.com  
 Lai Yen, Hoi Duc, Ha Noi  
 Website: https://dasm.com.vn

page 1/1



## Objective:

To determine the relative ability of one sample to resist fungal growth as seen in the ASTM C1338 - 19 fungal resistance test.

ICC NTA subcontracting on behalf of Capworld Limited, ICC-NTA Project#CCLA101823-52

## Test Sample Identification:

- Eco-Aerogels Polycycle Insulation

## Test Procedure Summary:

Test pieces are sprayed with a mixed spore suspension of five fungal strains. Inoculated samples were then placed into a chamber maintained at 30 ± 2°C and 95 ± 4% relative humidity for 28 days. At the end of the incubation period, samples were examined at 40X magnification.

### Test Variables

Test Organisms:	ATCC
Aspergillus brasiliensis <sup>1</sup>	ATCC 9642
Talaromyces pinophilus <sup>2</sup>	ATCC 11797
Chaetomium globosum	ATCC 6205
Aspergillus flavus	ATCC 9643
Aspergillus versicolor	ATCC 11730

<b>Sample Description:</b>	3" x 3" x 1.5" Insulation pieces tested as received
<b>Number of Replicates per Sample:</b>	Three
<b>Positive Growth Control:</b>	Sterile Filter Paper White birch tongue depressor
<b>Environmental Conditions:</b>	30 ± 2°C; 95 ± 4% relative humidity
<b>Incubation Duration:</b>	28 days
<b>Pass/Fail Criteria:</b>	Growth not greater than comparative item
<b>Comparative Item:</b>	White birch tongue depressor supplied by MicroStar
<b>Deviations from Standard Test Method:</b>	Testing performed per ASTM C1338

<sup>1</sup> Aspergillus brasiliensis formerly classified as Aspergillus niger  
<sup>2</sup> Talaromyces pinophilus formerly identified as Penicillium funiculosum



Modern Testing Services

## TEST REPORT



**LAB LOCATION:** VIET NAM  
**REPORT NUMBER:** 76123-100832  
**ISSUE DATE:** Nov. 03, 2023  
**PAGE:** 3 of 4

### EXECUTIVE SUMMARY:

TESTING RESULT SUMMARY				
Test Property	PASS	FAIL	DATA	COMMENTS
ISO 16000 parts -3, -6, -9, -11	X	-	-	-

### COMPONENT BREAKDOWN LIST:

Test Item.	Component Description
01	ECO-AEROGELS POLYCYCLE INSULATION

### TEST RESULT(S):

ISO 16000 parts -3, -6, -9, -11

Parameter	Unit	Test Result	Reporting Limit	Client's Limit
		01		
TVOC (C6 - C16) <sup>1,2</sup>	µg/m <sup>3</sup>	ND	20	100
Formaldehyde	µg/m <sup>3</sup>	ND	3	10

Method	Principle	Parameter	Reporting Limit	Uncertainty
ISO 16000 parts -6, -9, -11	TDS-GC/MS	VOC TVOC	5 µg/m <sup>3</sup> 20 µg/m <sup>3</sup>	17.5% (RSD) U = 2 x RSD= 35%
ISO 16000 parts -3, -9, -11	HPLC/UV	Volatile aldehydes	3 µg/m <sup>3</sup>	16% (RSD) U = 2 x RSD= 32%

Test chamber parameter				
Chamber volume (L):	119	Temperature (°C):	23	Relative humidity (%)
Air change rate (per hour):	0.5	Loading ratio (m <sup>2</sup> /m <sup>3</sup> ):	0.4	50

Test condition: Sample stayed in test chamber during the whole 7 days testing period.

Note: ND = Not Detected (< Reporting limit)

### Remark:

- This VOCs test covered only substances that can be adsorbed on Tenax-TA and that can be thermally desorbed and analyzed by gas chromatography mass spectrometric detector. If other emission occurred then these could not be monitored or with limited reliability only.
- All detected VOCs were identified by comparison with a library and semi-quantified by using Toluene.
- The test is accredited ISO 17025:2017 by CNAS at Eurofins Testing Technology (Shenzhen) Co., Ltd.



Modern Testing Services

## TEST REPORT



**LAB LOCATION:** VIET NAM  
**REPORT NUMBER:** 76123-100561 Revised 1  
**ISSUE DATE:** Oct. 24, 2023  
**PAGE:** 3 of 4  
**REVISED DATE:** Oct. 26, 2023

### EXECUTIVE SUMMARY:

TESTING RESULT SUMMARY				
Test Property	PASS	FAIL	DATA	COMMENTS
Formaldehyde Emission Test	-	-	X	-

**Remark:** The report was revised on Oct. 26, 2023 to add Test condition and ISO 17025 accredited information per client's request.

### COMPONENT BREAKDOWN LIST:

Test Item.	Component Description
01	White eco-aerogels polycycle insulation

### TEST RESULT(S):

#### Formaldehyde Emission Test

Test Item	Result - Formaldehyde Emission (ppm)	Conclusion
01	<0.05	DATA

Method: ASTM D 6007-2022 - Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber

- Remark: 1. The test is accredited ISO 17025:2017 by VILAS  
 2. Test condition:

Condition duration	168 ± 3 hours
Temperature	24 ± 3°C (75 ± 5°F)
Humidity	50 ± 5% RH
Chamber volume (L)	51

Note: ppm = part per million  
 °C = degree Celsius  
 % = percentage

1.6 Witnessing

No representative of Capiworld Company Limited witnessed the testing reported herein.

1.7 Conditions of Testing

Unless otherwise indicated, all testing reported herein was conducted in a laboratory set to maintain temperature in the range of 65-80°F and humidity in the range of 45-60% RH. All test specimen materials were stored in the laboratory conditioning room of 73.4 ± 5°F and at a relative humidity of 50 ± 5% environment for no less than 24 hours prior to testing. The test specimens were conditioned for 20 days and obtained steady state.

2.0 Referenced Standards

ASTM E84-23c Standard Test Method for Surface Burning Characteristics of Building Materials.

3.0 Summary of Results

Flame Spread Index – 0  
Smoke Developed Index – 70

3.1 General

This fire-test-response standard for the comparative surface burning behavior of building materials is applicable to exposed surfaces such as walls and ceilings. This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of the materials, products, or assemblies under actual fire conditions.

3.2 Test Specimens

The samples submitted by the manufacturer was identified as Eco-Aerogels Polycycle Insulation and was supplied in the form of 1-in x 24-in x 288-in. They were received without damage.

## TEST REPORT

<b>Client :</b> Capiworld Co. Ltd 57/29 Pham Thai Buong Nam Thien 1 Tan Phong Ward District 7 Ho Chi Minh City Vietnam	<b>Test Number :</b> 23-002168 <b>Issue Date :</b> 11/07/2023 <b>Print Date :</b> 18/07/2023
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<b>AS/NZS 1530.3-1999</b>	<b>Methods for Fire Tests on Building Materials, Components and Structures</b> <b>Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release</b>	
Face tested:	Face	
Date tested:	10-07-2023	
	Standard Error	Mean
Ignition time	Nil	Nil min
Flame propagation time	Nil	Nil sec
Heat release integral	Nil	Nil kJ/m <sup>2</sup>
Smoke release, log d	0.1493	-2.0140
Optical density, d		0.0124 / metre
Number of specimens ignited:		0
Number of specimens tested:		6
<b>Regulatory Indices:</b>		
Ignitability Index		0 Range 0-20
Spread of Flame Index		0 Range 0-10
Heat Evolved Index		0 Range 0-10
Smoke Developed Index		1 Range 0-10



Approved / Managing Director

## TEST REPORT

<b>Client :</b> Capiworld Co. Ltd 57/29 Pham Thai Buong Nam Thien 1 Tan Phong Ward District 7 Ho Chi Minh City Vietnam	<b>Test Number :</b> 23-002167 <b>Issue Date :</b> 05/07/2023 <b>Print Date :</b> 18/07/2023
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<b>ASTM C518-2021</b>	<b>Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus</b>	
Test Date:	30-06-2023	
Test Apparatus:	Lasercomp Fox 314	
Sample Orientation:	Horizontal	
Heat Flow Direction:	Up	
Mean Test Temperature:	23 °C	
Temperature Differential:	20 °	
Estimated uncertainty in results:	3.1 %	
Average Thermal Gradient:	432.5 K/m	
Thermal Conductivity 50/90:	0.038 W/m.K	
R Value 50/90:	1.25 m <sup>2</sup> /KW	



Chris Campbell  
 Approved / MANAGER

MICHAEL A. JACKSON B.Sc (Hons)  
 MANAGING DIRECTOR





#### CAPIWORLD VIETNAM

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