

2022 Collection

**ALUM-I-VENT**  
by Lux Arch

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**ALUM-I-VENT by Lux Arch**  
High quality aluminium foam  
panels for architectural use



**ALUM-I-VENT**  
by Lux Arch

High Quality Aluminium  
Foam Panels

2022 Collection



**In our manufacturing processes we combine traditional and modern technologies to create high quality and resilient low-carbon aluminium products, using energy efficient construction methods with a low environmental footprint.**



Aluivent Ltd. was founded in 2012 with the goal of producing high quality, aluminium foam architectural solutions. With exceptional construction and creative standards we specialize in architectural panels. Sustainability sits at the heart of our production methodology influencing the entire product life cycle from raw material procurement and product fabrication to product application. Our high quality aluminium panel has a low carbon footprint and offers a truly sustainable solution for consumers in the construction industry.

#### MATERIAL PROPERTIES:

- + Our products are made from 100% recycled materials and meet all the relevant European and British Standards
- + Our manufacturing processes use strictly renewable energy sources
- + Our products are some of the only products in the industry that are 100% recyclable at the end of their life-cycle
- + By-products created during the manufacturing process are also recycled





## Modern design and aesthetics with an extremely low carbon footprint

## ALUM-I-VENT by Lux Arch



Made from 100% recycled material, from aluminium foam are strong, our aluminium foam panels offer a durable, highly corrosion-resistant and light-weight and cost effective solution. Aluivent façade panels made easy to reuse or recycle at the end of their life-cycle.

Aluivent stands for sustainable construction quality, innovative design and is distinguished by its outstanding product attributes such as long lifespan, light weight, variety of surfaces and colours as well as excellent formability and easy maintenance which make our panels the perfect material to use for:

- + building facade systems + shade/sun canopy structures, exterior pergolas, and feature walls
- + in facade integrated curtain wall, window or sliding door solutions
- + interior design
- + unique lighting solutions
- + decorations
- + in- and outdoor installations
- + high rise or large area glazed buildings





## Appearance



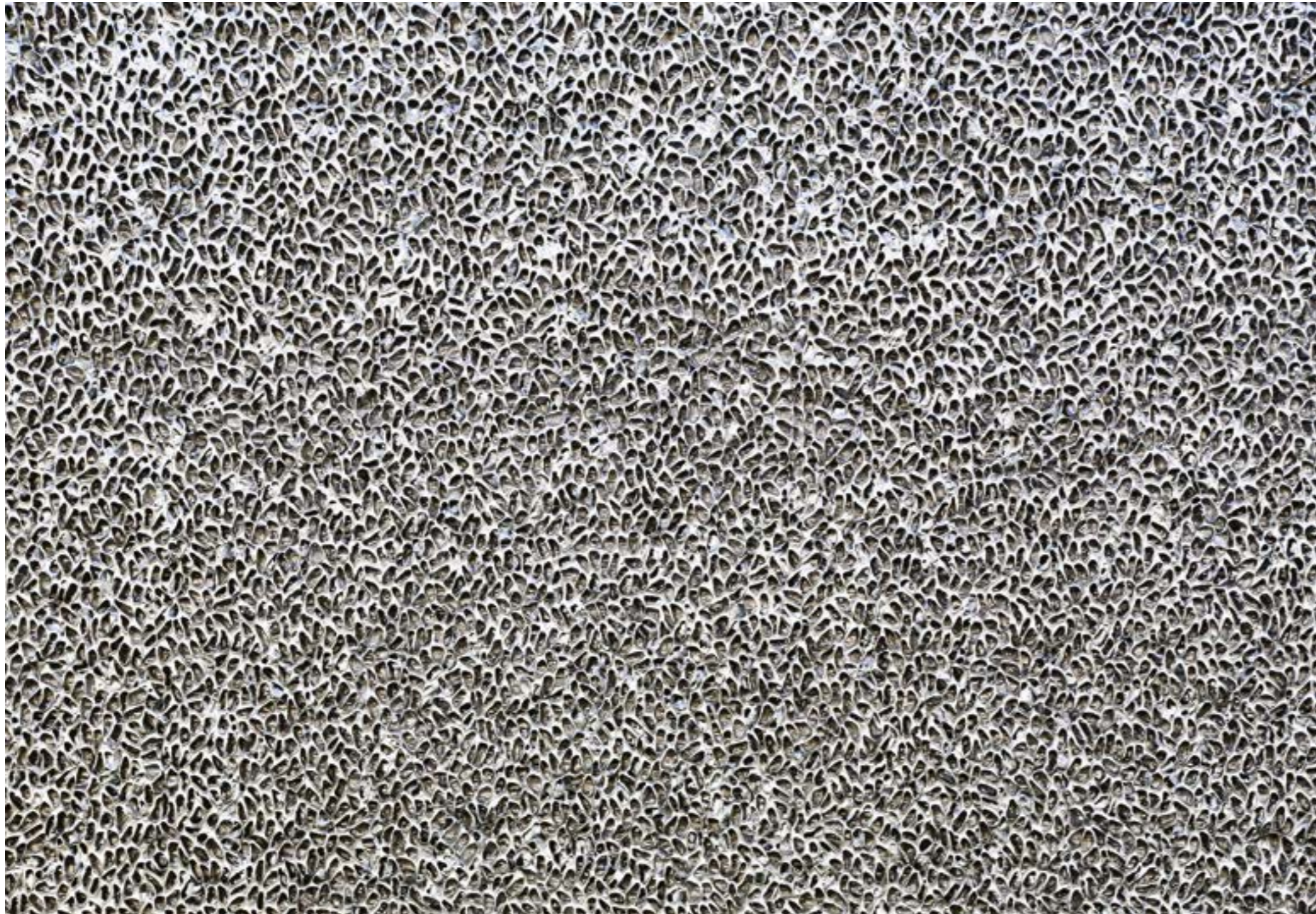
Alu-i-vent by Lux Arch foam panels are manufactured in one-side-open or two-side-open versions and are available in natural aluminium finish as well as an extensive range of powder coat colours (RAL) and designs.

The transparency of the two-side-open panels provides an element of privacy whilst also allowing external light to penetrate through the distinctive organic patterns of the foam making it the perfect material to use to create an elegant and subtle screening solution for both interior and exterior spaces





## Composition



### GENERAL PRODUCT INFORMATION:

- + Environmentally friendly low carbon product – made from recycled material and fully recyclable
- + Excellent fire resistance (A1, EN 13501)
- + Excellent acoustic properties
- + Easy to work with and form on site
- + Does not require maintenance
- + Bendable and easy to manipulate
- + Transparent (two-side-open version)

### VARIATIONS:

- + One-side-open (non-transparent)
- + Two-side-open (Transparent)

### DIMENSIONS:

- + standard size 2000x1000 mm
- + maximum size 3200x1050 mm

### COLOURS:

- + non coated natural Aluminium colour
- + RAL scale powder coating on one or both sides





## Interior use



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- + very light weight

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- + easy to work with

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- + superior design

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- + wide range of colours

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- + exquisite and unique lighting effects with the two-side-open transparent option

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## Indoor elements Lighting solutions

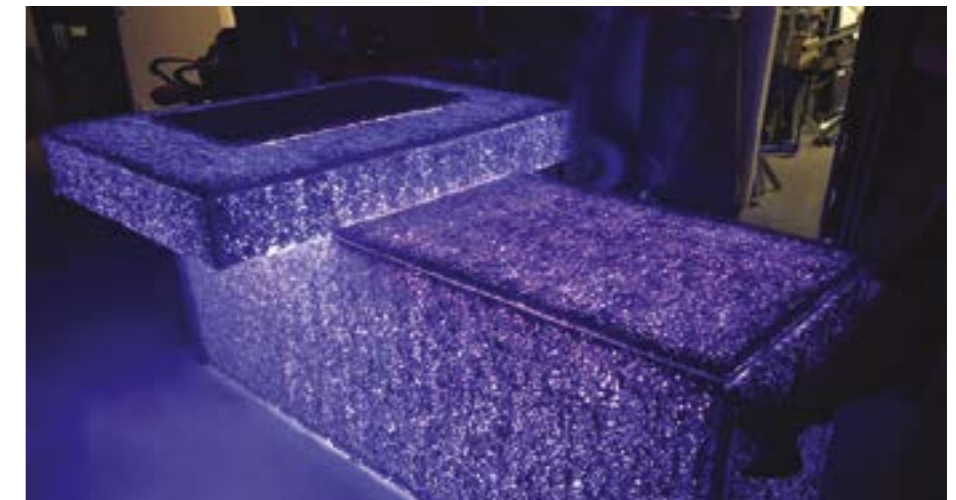
## ALUM-I-VENT by Lux Arch



+ possible to back light and create other lighting effects to set mood or atmosphere

+ bendable and easily machinable

+ bespoke lighting elements without size restrictions





## Decorative Cladding Material

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Fotó: Stiber Sándor

- + no maintenance required

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- + no fading or discoloration

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- + no corrosion

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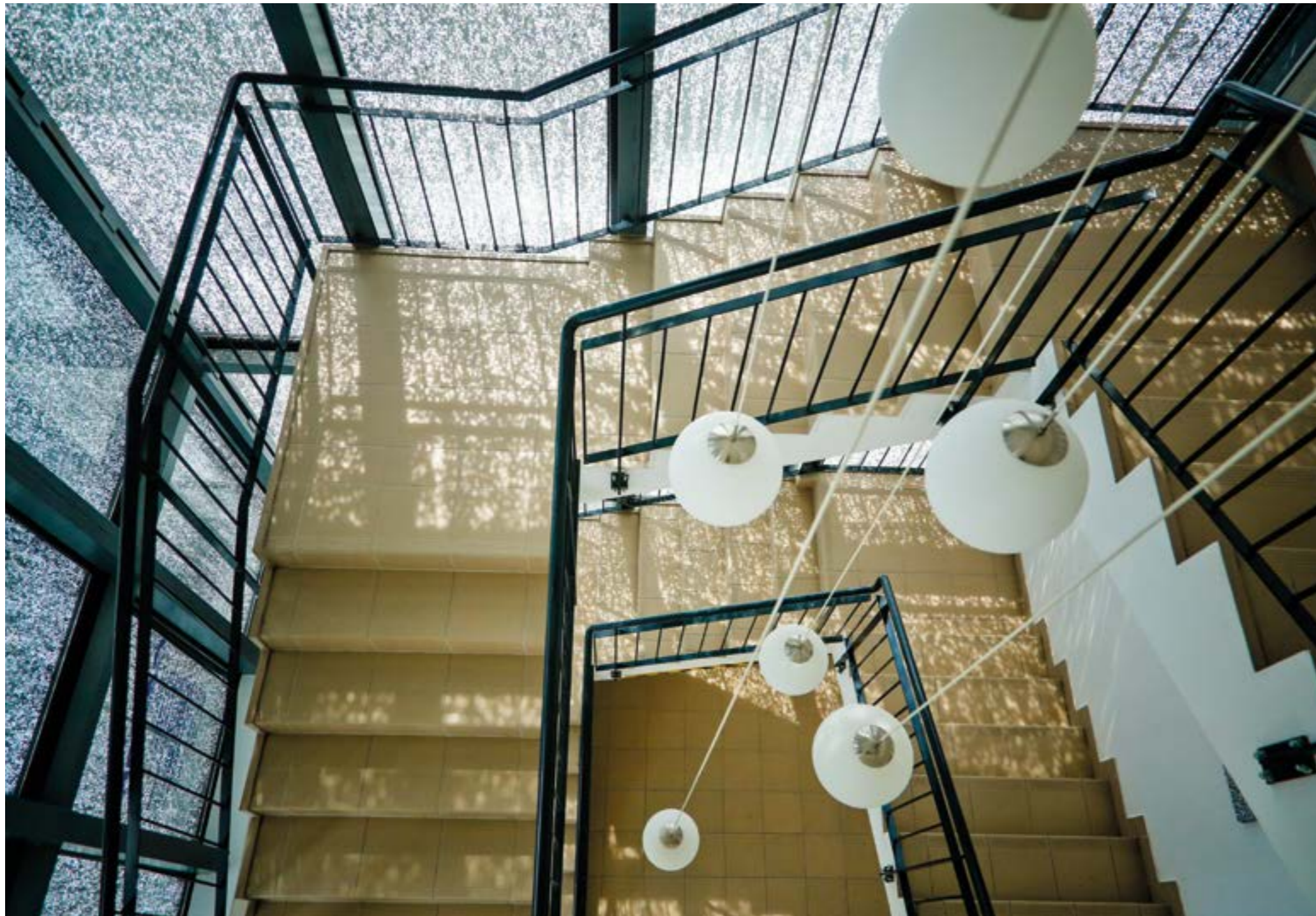
- + provides privacy while letting light in (two-side-open version)



Fotó: Danyi Balázs



## Building Facade Systems



- + unique appearance

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- + excellent shading effect

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- + reduces the heat load of the building

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- + improves energy efficiency of the building





## Technical data



## ALUM-I-VENT by Lux Arch

Description	Continuously casted Aluminium foam panel, EN6061 composite
Product variations	<b>LO – one-side-open</b> <i>Front:</i> naturally wavy surface with opened cells <i>Back:</i> flat, closed surface <b>LO2 – two-side-open (transparent)</b> <i>Front:</i> naturally wavy surface with opened cells <i>Back:</i> flat, opened surface
Material	Modified EN6061 Aluminium composite foam (AA6061/AL203p)
Color	Natural Aluminium or RAL colors
Standard length	2000 mm +/- 3 mm (3200 mm on special request) - (6'-6" +/- )(10'-6" Special Order)
Standard width	1000 mm +/- 3 mm (1050 mm on special request) - (3'-2" +/-)
Nominal thickness	15 mm +/- 3 mm (point-like min 8 mm, max 21 mm) - (.625" thickness) (SO - 1")
Typical cell size	10-30 mm
Nominal weight	LO – 3.0 kg/m <sup>2</sup> +/- 0,5 kg/m <sup>2</sup> LO2 – 2.0 kg/m <sup>2</sup> +/- 0,4 kg/m <sup>2</sup>
Fire rating	A1 – natural Aluminium (EN 13501) D-s1 d0 – Powder coated panels (EN 13501)
Fire propagation	Th> = 45 min
Recyclability	100%



## References



Fotó: Danyi Balázs



Fotó: Stiber Sándor





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