

ALUSION™

architectural stabilized aluminium foam

ALUSION™ Architectural Stabilized Aluminium Foam is made by injecting air into molten aluminium, which contains a fine dispersion of ceramic particles. These particles stabilize the bubbles formed by the air, much like dry cocoa powder stabilizes bubbles when it is added to milk.

ALUSION™ is produced as continuous flat sheets or three-dimensional shapes. The standard sheet size is 2440 mm x 1220 mm (96" x 48"). Custom sizes are available upon request.

ALUSION™ is made with up to 20% recycled material, and is 100% recyclable.

ALUSION™ offers designers and architects a unique and visually stunning surface material that is more than skin deep. ALUSION™ provides beauty, strength and lightweight acoustic solutions for a variety of creative opportunities.

ALUSION™ can be:

- Powder coated to match PANTONE and RAL references
- Coated in polymers such as clear coat protector or lacquer
- Over-moulded with plastics (e.g. epoxy) to make a hybrid structure

There are three basic versions of ALUSION™:

- Small-Cell
- Medium-Cell
- Large-Cell

The higher the density, the smaller the cell size, the heavier and more robust the material is.

Basic versions are available with three different finishes, providing a distinct look on both top and bottom surfaces of the panels:

- Natural
- Cells Open on One Side
- Cells Open on Two Sides

ALUSION™ is available in three standard thicknesses:

- 12.7 mm (0.5")
- 25.4 mm (1.0")
- 43.2 mm (1.7")

All ALUSION™ versions truly give a unique design element to any project. Here are the details of some of the most popular ALUSION™ Versions:



ALUSION™ Small-Cell Natural

Produced naturally on higher density materials with a shiny, shimmering silver skin, featuring a unique wavy pattern on the surface.



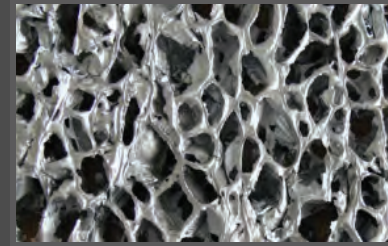
ALUSION™ Large-Cell Natural

Features a large frozen molten bubble look on the top surface. This version is particularly designed for interiors. The bubbles are delicate and can be collapsed by force. It is recommended that this version be out of reach of the public or otherwise protected (e.g. glass-covered).



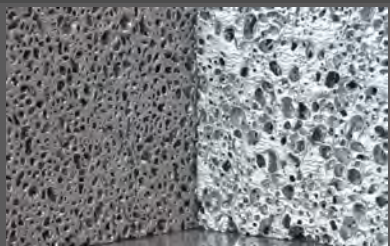
ALUSION™ Small-Cell Cells Open on One Side

Created by removing the shiny silver skin of the “Small-Cell Natural” on one side, through a special blasting process. Cells below the skin are exposed. The surface consists of a series of small open areas and swirling solid areas, which mingle together to create an appearance, described as similar to the surface of the moon or a frozen porous lava flow.



ALUSION™ Large-Cell Cells Open on One Side

Manufactured with a low-density material, resulting in large and deep open cells. The shiny silver skin of the “Large-Cell Natural” is removed, exposing the cells underneath. The surface is described as similar to an aluminium sponge. This version with a closed back is the best for sound absorption.



ALUSION™ Medium-Cell Cells Open on Two Sides

This material offers deeper and more pronounced bubbles than the small-cell version, and a smoother surface than the large-cell version. Both top and bottom surfaces of all ALUSION™ Panels have a different look.



ALUSION™ Large-Cell Cells Open on Two Sides (Translucent)

The shiny silver skin on both sides of low-density material is removed to create a translucent panel. This version is extremely lightweight and allows light to pass through. All ALUSION™ Panels are highly reflective, however the bottom surface of this panel is the most reflective version. ALUSION™ Translucent sharply reflects light and even picks up the colour of well lit material at a reflective angle to the panel.