



# Introducing AlloySign system

Smarter Signs, Built Stronger and Lighter

 **AlloyBoard**

# About our innovative AlloySign system



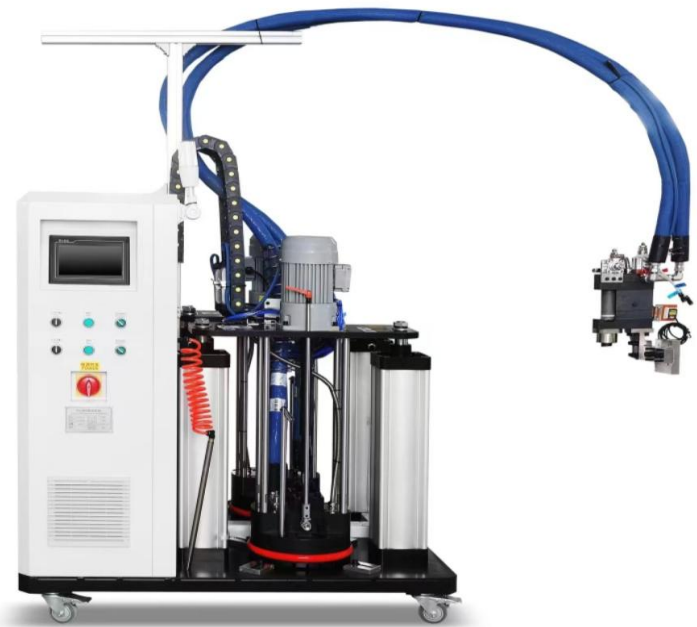
## Innovation in Lightweight, Strong & Frameless Signage Design

Our **Alloyboard** signage system introduces a smarter way to build high-impact 3D letters and frameless pylon signage. Made from advanced aluminum honeycomb panels, **Alloyboard** combines exceptional strength with minimal weight—perfect for modern signage that demands both performance and clean aesthetics.

## Precision-Engineered Structure

We use a unique slot-cutting method on the inner face of the panel, allowing folded ACM/ACP strips to be inserted as spacers.

To ensure precision and high-quality finishes, we use advanced machinery including a **6m x 2m large-format CNC router**, a **fully automated PUR edgebanding machine**, and a **CNC channel letter bender**—enabling us to produce complex signage components with exceptional accuracy and consistency.







 **AlloySign**  
An AlloyBoard Brand

## About our Alloyboard

### AlloyboardNZ

We stock variety of thickness: 20mm, 30mm, 50mm & 100mm, Our sheets are large sizes of 1500mm X 5000mm , fit to all signage design

### Surface Excellence & Fabrication Flexibility

**Alloyboard** provides a **perfectly flat and clean surface** ready for direct vinyl artwork or printed graphics. Even over long lengths, the panels remain remarkably straight, ensuring a premium finish.

All supplied panels & letters are edge banded with 1mm PVC or 0.7mm aluminum for perfect seal and look we use two types of CNC Edge banding machines

### Light Weight

- **6X** lighter than plywood
- **7.5** lighter than MDF

### High Strength

Stay flat under the toughest of loads

### Waterproof

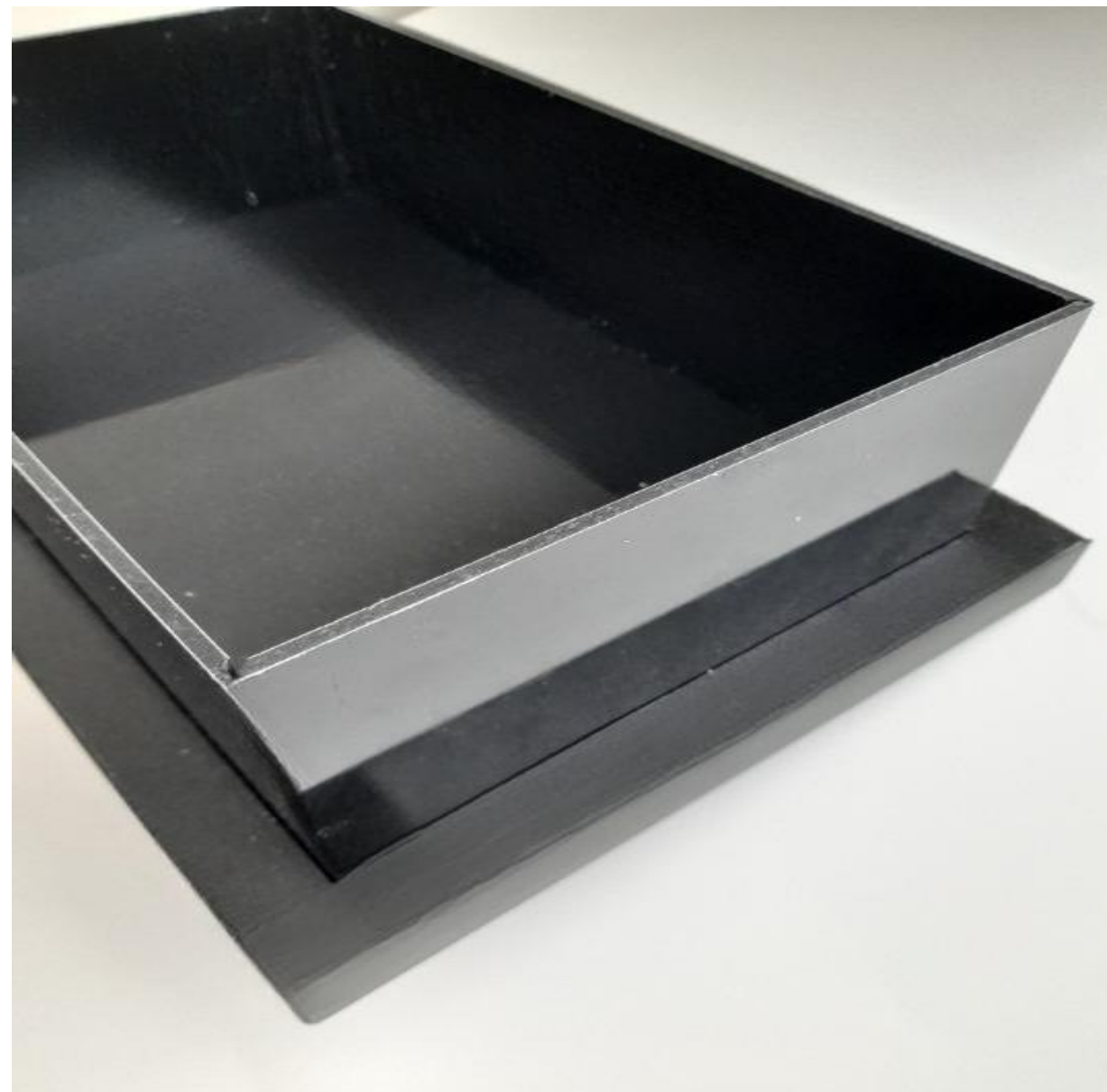
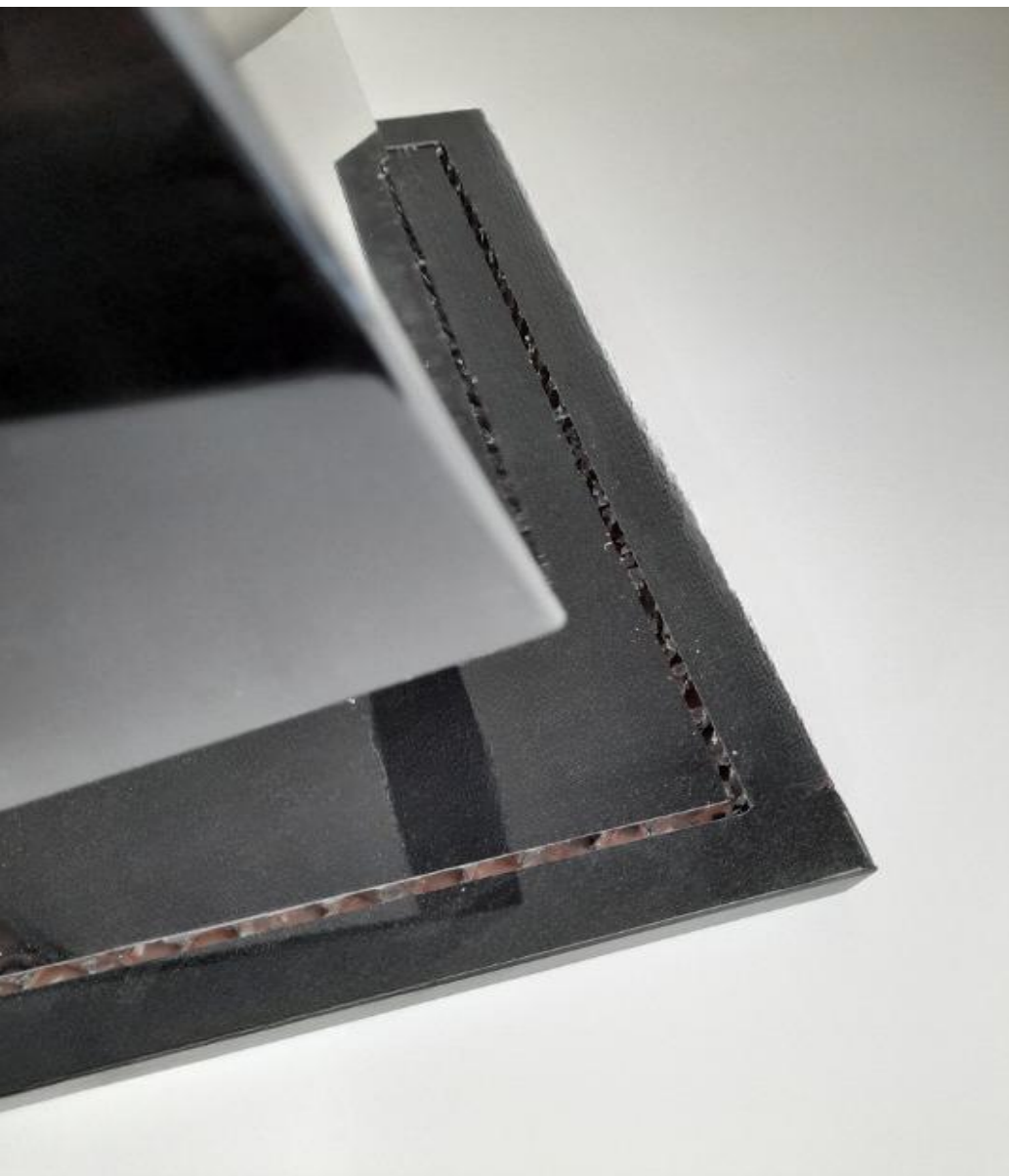
#### **AlloyBoard does not**

- rot
  - swell
  - warp
  - delaminate
- when exposed to water

### UV Resistant

**AlloyBoard does not** fade with prolonged sun exposure





## AlloySign System principles

We use a unique slot-cutting method on the inner face of the panel, allowing folded ACM/ACP strips to be inserted as spacers

This innovative technique enables:

- **Custom thickness and depth** for 3D elements
- **Defined outer frames** without visible fixings
- **Internal cavities** to house reinforcements, wiring, or structural framing—ideal for illuminated signage



Compatible with **mechanical fixings**



# Two Sides closed

## No fixing seen

Our system also makes it easy to create **fully enclosed box structures**—ideal for both Pylon and hanging signage. Thanks to the internal slot-and-insert construction method, panels can be joined seamlessly without visible fixings. The result is a clean, modern appearance with no exposed screws or brackets, giving your signage a premium, sculptural finish from every angle.





## Cavity For Everything

Our **slot-cutting technique** is especially effective for **illuminated signage**.

It allows precise channels to be created on the surface for framing LED strips, flexible tube lighting, or embedded lighting effects. Graphic designs can also be custom-cut into the panels to accommodate LED integration, making it easy to achieve striking, backlit visuals with clean, professional detail.



## Stronger & Lighter LightBox

Our system allows for **both fully and partially illuminated signage**, depending on your design needs. Whether you want to highlight specific elements or create a fully backlit sign, our construction method makes it easy.

By using Alloyboard as a structural backing, you get a **perfectly flat and rigid base**—ideal for applying printed graphics or acrylic faces. Lightboxes can be built directly into the signage, either across the entire surface or in selected areas, offering creative freedom without compromising strength or aesthetics.

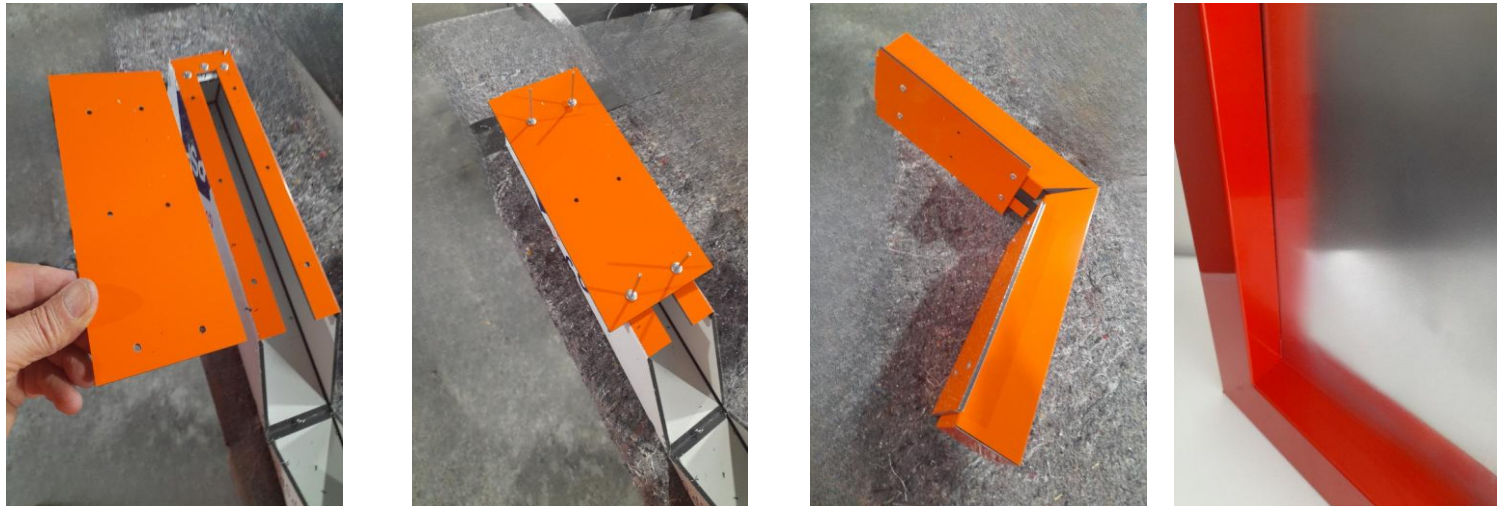


# Innovative De- signed Pylon Framing

**O**ur innovative pylon signage framing system **is designed to elevate both function and aesthetics.**

**Whether you're looking to conceal structural posts and fixing brackets or add an architectural finish to your signage, our system delivers outstanding results—clean, modern, and professional.**

**Thanks to our smart construction method using Alloyboard and integrated design elements, you can achieve a high-end appearance without significant additional cost or complexity.**





## Free standing 3D Letters

Our **innovative 3D channel letter system** is a breakthrough in signage construction—designed for durability, precision, and ease of installation. Instead of relying solely on adhesives, our method uses **mechanical insertion of letter edges into pre-cut slots**, providing a much stronger and more reliable structural bond. This system also allows for the letters to be **mounted individually or inserted directly into an Alloyboard backing panel**, ensuring a solid connection and **remarkably simple installation**. It requires **minimal fixings to the building façade**, helping preserve the **watertight integrity**—a major advantage for cladding-sensitive applications. Additionally, our system can incorporate **internal piping channels** for **neat and hidden wiring**, making illuminated 3D letters both safe and aesthetically clean.



Need help or have a question?

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