

All Things Signage

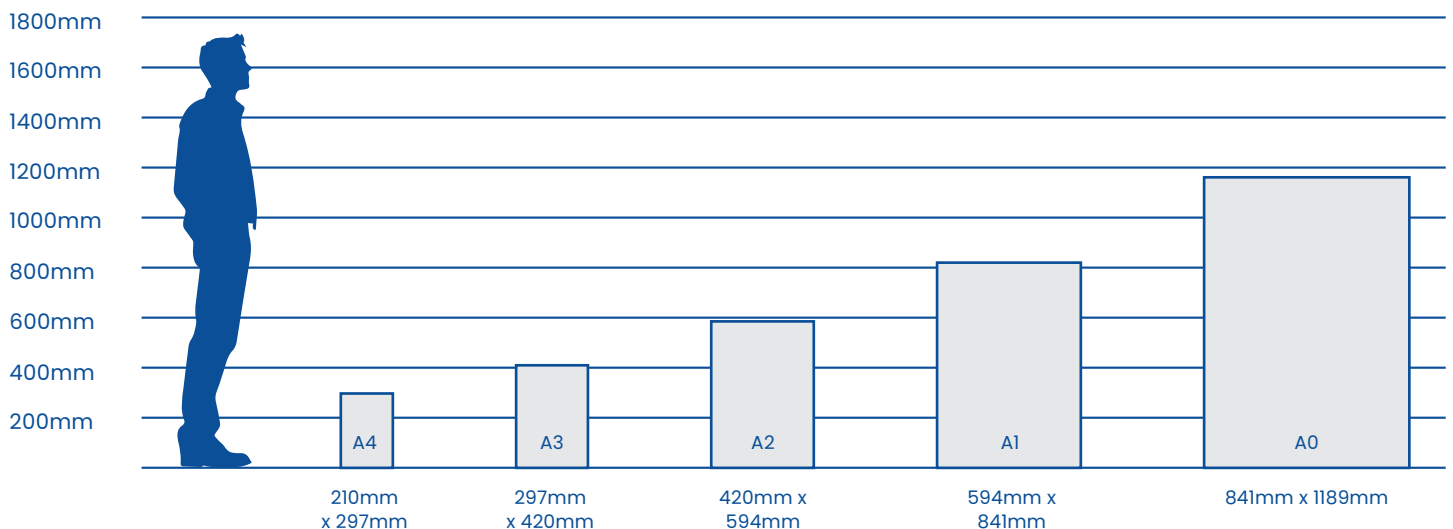
Technical Specifications

Size Guide

Minimum: 210mm x 297mm

Maximum: 841 x 1189mm

Custom sizes are available across our signage range.



Assembly Instructions

Aluminium Composite:

- Mount using screws through the pre-drilled holes, ensuring alignment with wall plugs or anchors for stability.

Correx® by Corplex:

- Attach with cable ties, adhesive pads, or double-sided tape for lightweight and temporary displays. Ideal for quick setup and removal.

Display Board:

- Mount with double-sided tape or adhesive pads on smooth, indoor surfaces. Lightweight design makes it easy to reposition.

Foamalite Express:

- Fix using velcro strips, adhesive pads, or frame supports. We offer pre-drilled holes and rounded corners for added flexibility and safety.

Care Instructions

- Aluminium Composite:
- Wipe with a damp cloth and mild soap to remove dirt. Avoid abrasive cleaners to protect the finish.
- Correx® by Corplex:
- Clean with a soft, damp cloth or sponge. Do not scrub to prevent surface damage.
- Display Board:
- Dust gently with a dry cloth; avoid water as it may warp the material.
- Foam Board:
- Use a dry or slightly damp cloth for cleaning. Keep away from excessive moisture to maintain its structure.

Additional Information

Materials Information

Aluminium Composite:
Corrosion-resistant aluminium composite made from a combination of 150-micron aluminium skins surrounding a black 100% recycled LDPE core.

Temperature Resistance -50°C to + 80°C
Impact Strength (kg cm2) 42
Boiling Water Resistance Boiling for 2hrs without change
Acid Resistance Immerse Surface in 2% HCl for 24 hrs without change
Alkali Resistance Immersed surface in 2% NaOH for 24 Hrs without change
Oil Resistance Immerse Surface in 20# engine oil for 24 hrs without change
Solvent Resistance Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance >1000 times without change
Peel Strength (Newton/mm) >5
Sound Absorption NRC 0.05
Sound Attenuation Rw db 24
Water Absorption % By Volume 0.01
Thermal Performance R Values 0.0057
Core Composition Polyethylene
Reaction to Fire Classification BS476 Part 6: Class 0, Part 7: Class 1

Correx® by Corplex:
Crafted from 3.5mm thick Correx® by Corplex fluted corrugated plastic. Correx® can be handled at normal processing temperatures. Small quantities of fumes are evolved at about 220°C due to a partial volatilisation of some stabilisers and/or of lower molecular weight hydrocarbons. These gradually increase until at about 300°C decomposition and oxidative pyrolysis proceeds at an appreciable rate.

Materials Information**Correx® by Corplex Continued:**

Burning behaviour:

Typical thermal properties for polypropylene copolymer are as follows:

Softening temperature (BS 2782: 102D, ISO R306) 144°C

Crystalline melting point 165 – 175°C

Flash ignition temperature ca 350°C

Self-ignition temperature Ca 380°C

Calorific value 11000 cal. kg

Specific heat 0.46 cal gm oC

Limiting oxygen index (ASTM D2863) 0.174 – 0.180

Burn rate - Correx sheet (FMVSS 302) 5.3 – 8.2cm/min

Display Board:

Sturdy 2000mic Libra Display Board is a high white display board made from FBB virgin fibre liners with a grey middle of recycled fibre. Libra Display Board is available with FSC recycled 100% certification – ref. FSC COC Code – SA-COC-001641

Manufacturing Variations:

Size +/- 2mm

Caliper +/- 7%

GSM +/- 7%

RH 45-75% @ 17°C – 23°C

Gloss 50 (-10) (tappi T480)

Brightness 88.5% +/- 2.0 (ISO 2470)

Whiteness 115 (ISO 2470)

Foamalite Express:

Durable 3mm or 5mm co-extruded expanded rigid PVC sheet consisting of high-quality white cover layers and a black recycled core.

Apparent density (kg/m³): 400-550

Surface hardness (Shore D): 35

Max. service temperature (°C): 55

Coefficient of linear expansion (mm/m·K): 0.07

Water absorption (23°C – 24h): <1%

Behaviour in fire: C-s3, d0 (2-10mm). M1 (2-10mm)

Printing Process

Drop-on-demand digital inkjet printing for high-definition image quality with smooth shadows, gradients, and sharp text.

Finishing Method**Aluminium and Foam:**

Options for pre-drilled holes and rounded corners. Our drilled holes are 6mm in diameter and sit 10mm from the edge of the product

Sizes	Aluminium: A0, A1, A2, A3, A4 & custom Correx® by Corplex: A0, A1, A2, A3, A4 & custom Display Board: A1, A2, A3 & custom Foamalite Express: A0, A1, A2, A3 & custom
Sustainability	Aluminium: Our aluminium composite can be split to separate the aluminium from the plastic core. Both elements can then be recycled through specialist recyclers. Correx® by Corplex: Made from fluted corrugated plastic, they're fully recyclable. Display Board: FSC certified, with a core manufactured from recycled fibres, they're fully recyclable. Foamalite Express: Our foam can be recycled through specialist recyclers who can recycle PVC.
Environment	Aluminium: Suitable for indoor and outdoor use. Correx® by Corplex: Suitable for indoor and outdoor use. Display Board: Suitable for indoor use only. Foamalite Express: Our foam board is waterproof to an extent and can be used outdoors; however, we would recommend using it in the short term or indoors only to protect your artwork.