

# UltraSign

**A popular product consisting of an insulated core sandwiched between two aluminium facings.**

UltraSign is often used extensively for external walls, internal structures, signages and roof construction on commercial buildings. Specialist uses include cold storage, warehousing, food, hotels and other environments which need to adhere to stringent hygiene standards.



## Composition

- Three layer composite structure.
- Aluminium sheet (standard thickness 0.30mm) covers both sides.
- The panel is surface coated with PE (Polyester) paint. The centre core is low density polyethylene.

## Features

UltraSign Composite Sign Panel is well known for its main characteristics such as:

- Pre-painted, light weight panel
- Excellent surface flatness and paintable smooth surface
- High quality colour consistency
- Surface enables precise printing
- High strength and flexible
- Easy to fabricate
- Easy to maintain

## Product Applications\*

- Signage and displays
- Advertisement boards
- Creative interior decoration
- Recommended for use as a Signage Panel

## Colours

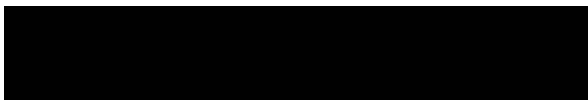
- Standard colour range as per chart
- Various colour combinations and finishes available on each side.\*\*
- Surface coated with PE (Polyester) paint

## Panel Sizes

- 2440 x 1220 x 4mm
- 3000 x 1500 x 4mm
- 3600 x 1500 x 4mm
- 4800 x 1500 x 4mm

## Colours

### Side A



Black (Gloss/Matt)

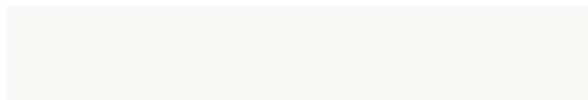


Red (Gloss)



Dark Blue (Gloss)

### Side B



White (Gloss/Matt)



Yellow (Gloss)



Aluminium (Natural)

\* Sign Panel is Not Fire Resistant and is Not Approved for use as an Exterior Building or Construction Cladding.

\*\* Check on range and availability of stocked items

## Technical Data

Sign Panel Thickness	4mm
Panel weight (kg/m <sup>2</sup> )	4.8mm
Aluminium Sheet Thickness	0.30mm
Panel Thickness Tolerance	+/- 0.2mm
Panel Width Tolerance	+/- 2mm
Panel Length Tolerance	+/- 3mm
Panel Diagonal Tolerance	+/- 5mm
Aluminium Sheet Thickness Tolerance	+/- 0.02mm
Paint Thickness	20 +/- 2 µm
Paint Pencil Hardness	>HB
Paint Toughness	3T
Impact Strength	50 (kg/cm)
Temperature Resistance	-50°C to 90 °C (Subject to thermal expansion & shrinkage)
Fire Resistance	NOT Fire resistant – Material is combustible & flammable
Peel Strength (180°C)	>5 Newton/mm
Boiling Water Resistance	2 Hours without change
Storage	Avoid areas affected by rain, dampness or condensation
Solvent Resistance	100x with Dimethylbenzene without change
Cleaning Resistance	Over 100x without change

### UltraSign ACP for Sign/Display Polyester Coating Warranty

*This warranty pertains to the polyester coating system with one coat polyester quality on the surface of the aluminium composite sign panel.*

*In regards to weather resistance the polyester coating has a consistent colour aging of white over 10 years and approximately 5 years for all other colours. This is dependent upon the panels being used in standard project locations and under normal conditions.*

Normal conditions exclude the following:

*Corrosive or aggressive environments e.g wind born sand, chemicals or chemical fumes, contamination by salt spray, submersion in water and airborne fumes or liquids.*

*Damage to the product caused by cut edges exposed to the environment.*

*Damage such as scratching caused in storage, handling, processing, during or after installation.*

Panels must be cleaned frequently.

*It is recommended that the panels be cleaned with a fluff free cloth using warm water (20–30°C) mixed with a neutral detergent. After cleaning, panels should be washed down with cold water.*

*DO NOT USE any powerful alkaline cleaning agents such as potassium hydroxide, sodium carbonate or caustic soda, or any powerful acidic products or scouring agents.*

*DO NOT STORE in rain, wet areas or areas with high condensation.*