



Sublimax panels are a coated aluminium substrate that is lightweight and eco-friendly. The coated surface allows for high definition graphics to be transferred into the paint of the Sublimax panels to bring your graphics to life!

Your personalised prints and designs will last longer as the Sublimax coating ensures that dye-sub inks can be transferred seamlessly from a transfer paper directly into the paint coating by a heat transfer process commonly known as sublimation.

Sublimax is an excellent choice of substrate for a wide range of applications such as printing of photographs and art works. The durable substrate offers superior fade and scratch resistance qualities, providing an unsurpassed color resolution and print permanence.

Suitable for indoor and outdoor* applications.

FEATURES AND BENEFITS

- Vibrant image
- Exceptional detail and color resolution
- 3D depth of image
- Fade resistant
- Will not yellow with age
- Stain resistant
- Scratch and abrasion resistant
- Chemical resistant
- Can be cleaned with ammonia, bleach, acetone, rubbing alcohol, glass and all-purpose cleaners
- Moisture resistant
- 100% recyclable

WHERE CAN IT BE USED?

- Home Décor
- Art Exhibits
- Wall Coverings
- Hospitality
- Restaurants
- Museum
- Gallery Prints



TECHNICAL INFORMATION

RAW MATERIAL

- Aluminium alloy 3000 & 5000 series
- **Surface coating:** Sublimation SRX600P
- **Color:** White Matt, White Gloss, Transparent
- **Treatment:** Cleaned and Pretreated

PANEL SPECIFICATIONS LARGE FORMAT

- **Aluminium Thickness:** 0.8mm (0.03"), 1mm (0.04"), 1.2mm (0.05")
- **Width (mm):** 1000-1500 (39.4"-59.1")
Standard (mm): 1220 (48"), 1250 (49.2"), 1500 (59.1")
- **Panel length (mm):** up to 5800 (228.3")
Standard (mm): 2440 (94.5"), 3050 (120.1"), 4050 (159.4")

PANEL SPECIFICATIONS SMALL FORMAT

- **Aluminium Thickness:** 0.8mm (0.03"), 1mm (0.04"), 1.2mm (0.05")
- **Size (mm):** 200 x 300, 203 x 254, 203 x 305mm
(CNC Cut with rounded edges)
- **Size (inches):** 7.87 x 11.8", 8 x 10", 8 x 12"
(CNC Cut with rounded edges)
- **Customization for special specification and requirement is available.**

***Note:** Sublimax is not responsible for the fading of ink on the panels. Other components used in the sublimation process such as inks and transfer paper are separate materials and are not covered by the Sublimax warranty.

SAFETY AND PRECAUTION

- Use with appropriate personal protective equipment.
- Use gloves when handling sheets to prevent cuts from edges and when hot metal sheets are removed from heat press.
- It is highly recommended to carry out small test runs before producing. To achieve the best results, it is important to have the correct combination of a good quality substrate, the right dye sub inks, transfer paper and heat press heating temperatures.

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PAINT COMPLIANCE

REACH & RoHs	Qualified
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COATING SPECIFICATION AND TOLERANCE

Coating Thickness	≥55µm
Minor Surface Coating Flaws	≤ 3/m ²
Pencil Hardness	2H

FIRE RESISTANCE

Non Combustible

COATING SYSTEM AND CURING CONDITIONS

Primer	PMT°C - 210 - 224 Paint Thickness - 10 +/- 1
Top coating	PMT°C - 216 - 232 Paint Thickness - 17 +/- 1

THERMAL TRANSFER PRINTING CONDITIONS

Temperature	180 - 200°C
Time	60-90s
Pressure	Light pressure

Code	Sheet Size	Panel Thickness	Finish
SUBMAX1MMHG	1220mm x 2440mm	1mm	White High Gloss
SUBMAX1MMM	1220mm x 2440mm	1mm	White Matt