

Aluminium Composite Panel

Signbond



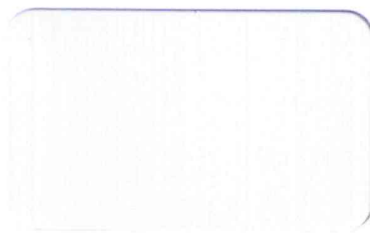
Colour Chart

ISO9001:2008 ISO14001:2004

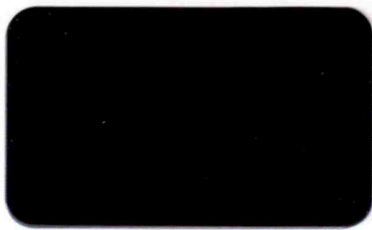
Solid



White Gloss



White Digital Print



Black Gloss



Black Satin



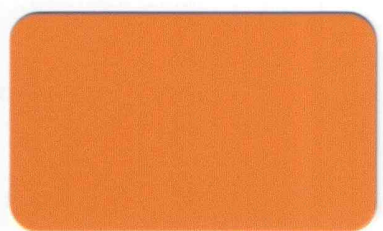
Charcoal



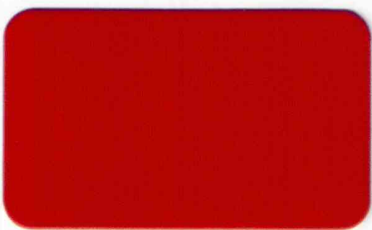
Dark Blue



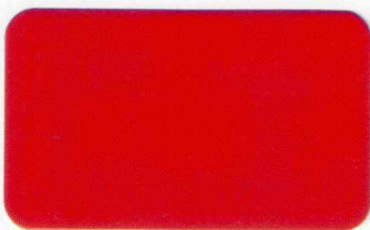
Light Blue



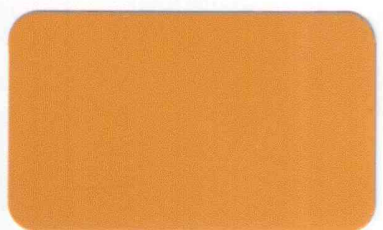
Dark Yellow



Dark Red



Light Red



Light Yellow



Dark Green

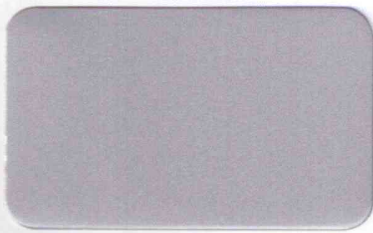


Light Green



Orange

Specialty



Silver Matt



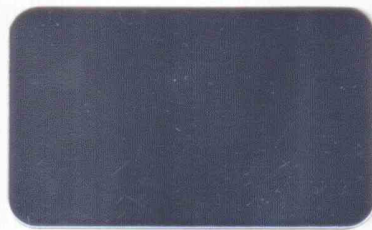
Silver Brushed



Spark Silver



Gold Matt



Silver Mirror



Gold Mirror



FEVE-Black Gloss



FEVE-Black Satin

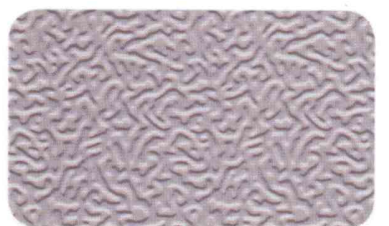
Decorative



Timber



Stone



Embossed

* Please check with your local Mulford Branch for availability. Additional patterns and colours are available upon request-subject to delivery and minimum order requirements.

Signbond®

SignbonD Signage Grade Panel Technical Data

2.55

Panel thickness			2mm	3mm	4mm	6mm
Thickness of Aluminum layers	(mm)		0.2	0.2	0.3	0.3
Weight	(kg/m ²)		3.0	4.25	5.7	8.1
Section Modulus	W	(cm ³ /m)	0.43	0.68	1.11	1.59
Rigidity (Poisson's ratio μ=0.3)	E.I	(KNcm ³ /m)	276	701	1620	3487
Modulus of Elasticity	E	(N/mm ²)				
Tensile Strength of Aluminum		(N/mm ²)	Rm:≥135			Rm:145w-185
0.2% Proof Stress		(N/mm ²)		p0.2≥100		Rp0.2:110-175
Elongation		(%)		A50>72%		A50>3%
Linear Thermal Expansion			2.0mm/m (100°C temperature difference)			
Thermal Resistance	R	(m ² K/m)	0.0036	0.0069	0.0113	0.0180
Heat Transition Coefficient	U	(w/m ² k)	5.72	5.61	5.5	5.3
Range of Application		°C	-50~+80			

*This specification provides technical data to the best of our knowledge at the time publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Mulford International Pte or any of their suppliers do not assume liability for the use of any information presented.

2mm	3mm	4mm
1220x2440mm	1220x2440mm	1220x2440mm
1220x3050mm	1220x3050mm	1220x3050mm
	1220x3660mm	1500x3050mm
	1500x3050mm	1500x3660mm
	1500x4000mm	2000x3050mm
	2000x3050mm	2000x4000mm

Custom sizes also available on request, subject to minimum order quantity.

Note: Please check with your nearest branch for colour/size availability.

Solid colours

No matter whether a white or a vibrant red is selected, solid colours are always a good choice when a uniform appearance without special effects is required. The gloss of solid colours is 43% and high gloss colours 90% according to gardner scale.

Metallic colours and special effect colours

The different appearance of colour and gloss under various light conditions and viewing angles gives these surfaces a vivid impression and brings them alive. According to gardner scale, the gloss of metallic colours is between 30-40%.

Coating

PE (Polyester) coating

PE (Polyester) coating: high molecular polymer as monomer and addition of alkyd, is an UV-resistant coating. It can be classified matt and glossy according to coating gloss.

Signbond Digital has been developed with a special coating applied, providing vastly improved ink adhesion.

Special colours coating

- Brushed panel, which are made from a special process on natural aluminium, presents the nature and beautiful appearance together with modern and elegant.
- Mirror finish panel, which has an anodic oxidation finish on an aluminium surface.

For custom colour request

Supply a physical sample of the custom colour. A colour sample on metal is preferred, but if other, the colour matching rate maybe not good as colour on metal. New colour sample is usually offered by our supplier in 5-7days, special colour should be in 7-10 days.

Important

To avoid possible reflection differences, it is recommended to install the panels in the same direction as marked on the protective film. The protective film should be removed just before installation.

The colour may vary slightly between production lots. Therefore, it is recommended to place total requirement for a project in one order to ensure colour consistency.



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