



Alubond-Lite

U.S.A

Display Aluminum Composite Panel

American Building Technologies Inc



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Alubond-Lite is a specialised display aluminium composite panel developed for corporate identity signages and display applications. It consists of two layers of aluminium skins in varying gloss levels of 30 to 80% sandwiching a Polyethylene or fire rated core. The top surface is coated in stove enameled structural lacquering system and back surface has a mill finish or stove lacquered polyester lacquering system. The unique feature of Alubond-Lite is the Double Color Combo Series. This has a standard range of two sided paint finishes in Red - Yellow, Green - Blue, Ivory - Black. Also custom ordered double sided colored panels can be supplied. The product carries the ISO 9001 Quality certification and tested to ASTM, DIN and BS Certifications from reputed international laboratories of U.K., Germany and U.S.A.

Product Composition



- Stove Lacquered Polyester lacquering system
- Epoxy Resin Primer
- Chromate Treatment
- Aluminium Skin
- P.E. or Fire Rated Mineral Core
- Aluminium Skin
- Chromate Treatment
- Epoxy Resin Primer
- Mill finish or Stove Lacquered Polyester lacquering System



Alubond-Lite U.S.A Product Advantages

Light Weight : Alubond-Lite only weights 3.8 Kgs/m² for the standard 3 mm thickness as against 6.5 Kgs for a 2.4 mm aluminium sheet making it an extremely easy material to handle particularly for large size applications.

Flatness and Rigidity : The composite structure of Alubond-Lite gives it a highly rigid and a superior Flatness as compared to any other signage or fascade materials resulting in an optically flat panel.

Color Range : The vivid range of colors and the possibility of varying gloss levels upto 80% makes Alubond-Lite an exciting choice for corporate identity programmes.

Flexibility : The easy formability feature of Alubond-Lite gives the architect the flexibility of design to create complex fascades and display panels.

Durability : Alubond-Lite products are warranted for over 10 years and provide a durable solution.

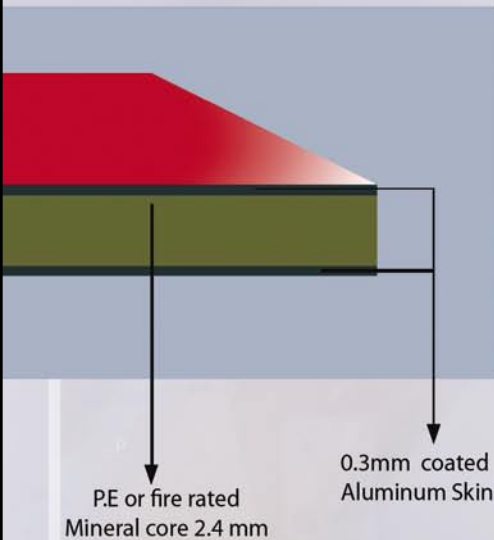
Economy : Alubond-Lite offers great value for money and is an economical option as compared to other similar materials.

Maintenance : Alubond-Lite panels are easy to clean and maintain due to its antistatic properties and do not attract dust.

Surface Finishing : Alubond-Lite surface coating is suitable for any graphic designing work in spray paint, Vinyl graphics, screen printing, large digital printing, Acrylic Urethane paints and solvent based air cured or UV curable inks.

Color Combo Series : Alubond-Lite is available in a standard range of double colored panels of Red - Yellow, Green - Blue and Ivory - Black. Different combinations of double colored panels can also be custom ordered in gloss levels of upto 80%.

Typical 3mm Alubond-Lite Panel



Alubond-Lite U.S.A Applications

Some of the popular Alubond-Lite applications are corporate identity programme for Petrol stations, Retail outlets, Interior and Exterior signs, POP Displays, Exhibition Stands, ATM Machines, Channel Letters, Commercial vehicle interior linings and truck bodies, Elevators, Kiosks, Stair wells, Ceiling and Partition panels etc.



Sign Posts



POP Displays



Exhibition Stands



ATM Machines



Truck Facades



Ceiling & Partitions



Kiosks Display

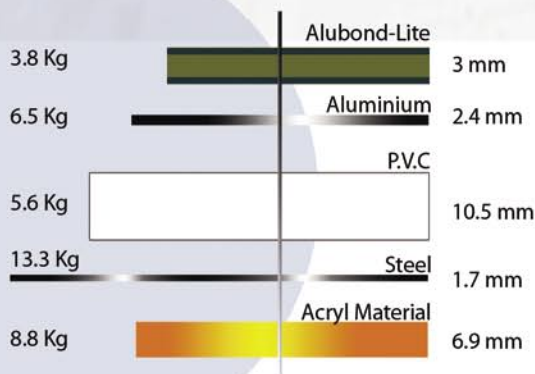


Wall Paneling

Alubond-Lite U.S.A Product Dimension

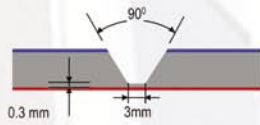
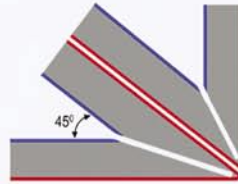
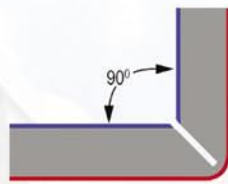
- Standard Width : 1250 mm
- Available Widths : 1000 mm, 1500 mm, 1550 mm
- Standard Length : 2500 mm
- Available Lengths : Any length upto 5800 mm
- Available Thickness : 2 mm, 3 mm, 4 mm, 5 mm, 6 mm

Alubond-Lite U.S.A Comparison Table

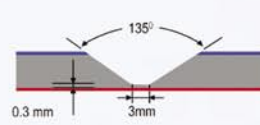


Item	Alubond - Lite	Solid Aluminium	Steel
Weight	3 mm : 3.8 Kg/m ²	2.4mm: 6.5 Kg / m ²	1.7 mm : 13.3 Kg / m ²
Flatness	Very flat	Uneven	Uneven
Heat Insulation	Best	Poor	Poor
Sound Insulation	25db	15db	5db
Echo Response	Low	Medium	High
Paint Microns	Even	Uneven	Uneven
Weather Proof	Good	Good	Good
Fire Proof	Good	Good	Good
Fabrication	Easy	Difficult	Very Tough
Delivery	Quick	Slow	Slow
Total Cost	Economical	Medium cost	Expensive
Maintenance	Easy	Easy	Easy
Installation	Quick	Slow	Very slow

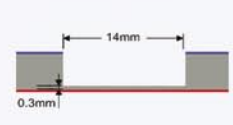
Alubond-Lite U.S.A Folding and Routing Techniques



V-shaped Groove for 90° folding

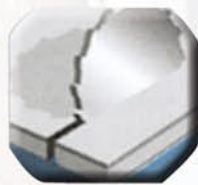


V-shaped Groove for 45° folding



V-shaped Groove for folding upto 150°

Alubond-Lite U.S.A Process Methods



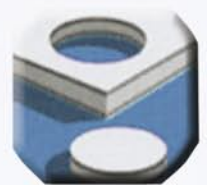
Sawing



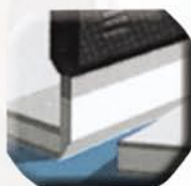
Jigging



Grooving



Punching



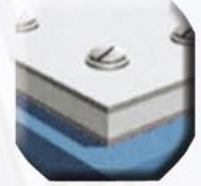
Shearing



Drilling



Bending



Rivetting

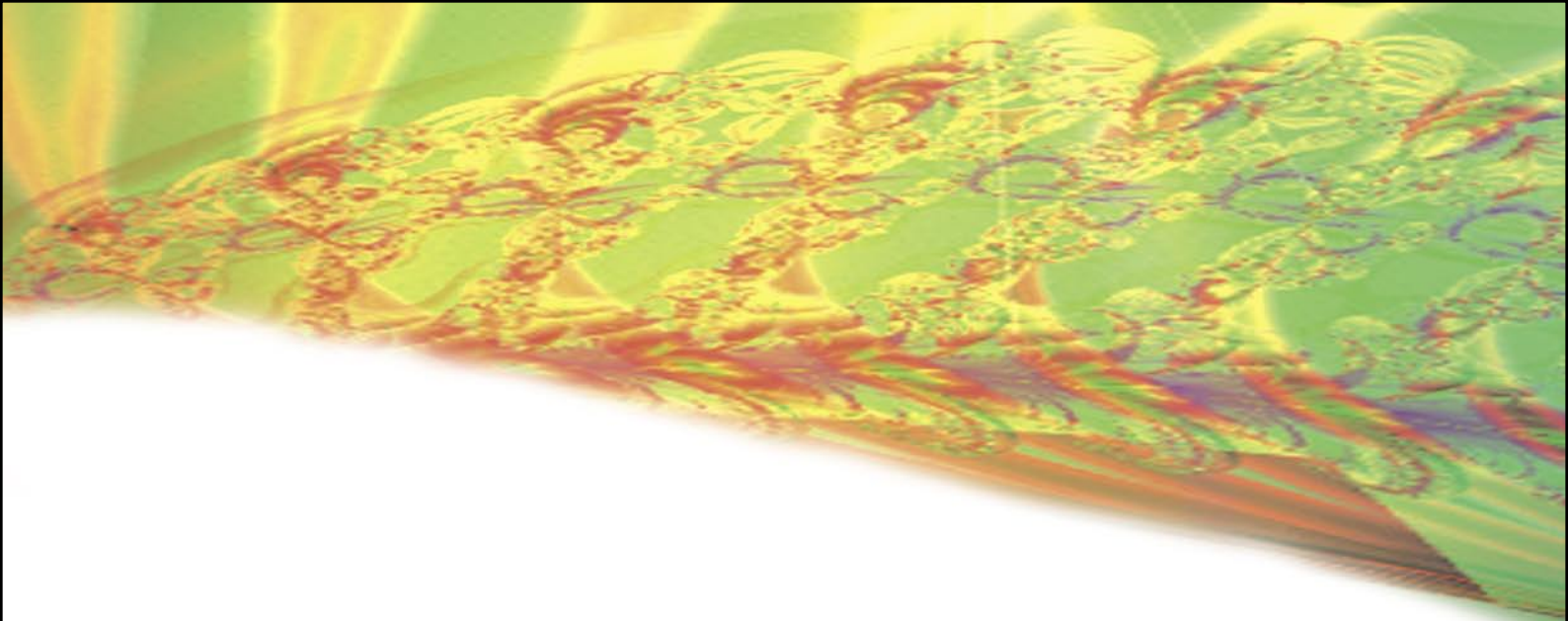


Spray Painting



Glueing





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