

Colour Chart



LARSONBOND
ALUMINUM COMPOSITE PANELS USA

ALCOIL 001

ALCOIL 002

ALCOIL 003

ALCOIL 004

ALCOIL 005

ALCOIL 006

ALCOIL 007

ALCOIL 008

ALCOIL 009

ALCOIL 010

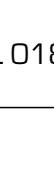
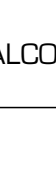
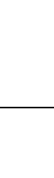
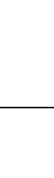
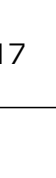
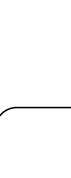
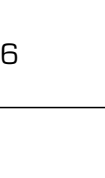
ALCOIL 011

ALCOIL 012

ALCOIL 013

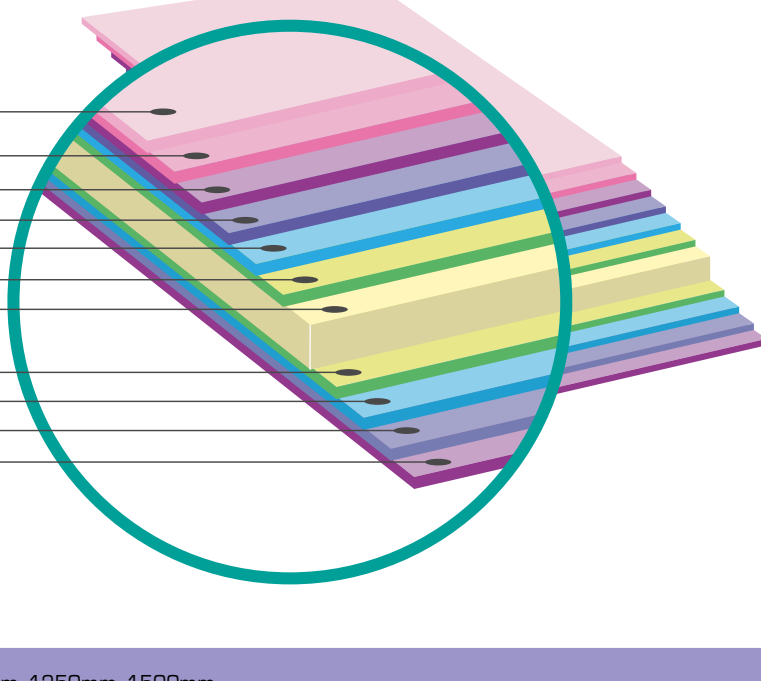
ALCOIL 014

ALCOIL 015



Cross-Section of ALUCOILBOND
Aluminum Composite Panel

Easy-to-peel Protective Film
PVDF or Polyester Paint Coating
Non-corrosive Primer Coating
Aluminium Skin
Anti-corrosive Treatment Layer
DuPont® Adhesive Film
Fire Retardant Modified Mineral Core
DuPont® Adhesive Film
Anti-corrosive Treatment Layer
Aluminium Skin
Anti-corrosive Service Coat



Specifications

Width 1000mm, 1250mm, 1500mm

Available Panel Thickness 3mm, 4mm
Available Skin Thickness 0.5mm, 0.3mm
Available Length 2440mm, 3200mm, 3600mm & up to 5500mm

Weight 3mm = 4.5kg/m²; 4mm = 5.5kg/m²; 6mm = 7.3kg/m²
Coating Beckers®, PPG & Hyar 5000® PVDF Metallic and Solid; and Polyester Matte and High Gloss
Adhesive DuPont® (USA)

Exterior Face of Bottom Skin PE Powder Coated/Lacquered

Core Linear Low Density Polyethylene, Magnesium Hydroxide & Aluminium Hydroxide Core
Fire Retardant Modified Mineral & Linear Low Density Polyethylene

Colours 45 Standard Colours
Special Colours As per request
Customised Requirements Available

Applications

- External Wall Cladding
- Curtain Walls & Internal Wall Finishes
- Building Walls, Fascias & Soffits
- Circular Columns, Spandrels & Beam Wraps
- Dadoes & Wall Canopies
- Any other high stress use
- Balustrades & Elevators
- Interior Partitions, Internal Doors & Ceiling Panels
- Kitchen Cabinets, Countertops, Cupboards and Benchtops.
- Public & Commercial Display Walls & Advertisement Billboards
- Shop Signboards & Showroom Finishes
- Kiosk Panels, Display Cases & Exhibition Stands
- Hospital, School and Shopping Mall Interiors

Technical Specifications

Physical Properties

Test Item	Test Value
Coating Thickness	>25µm
Pencil Hardness	3H
Gloss Tolerance	35.3
Adhesive Strength	Grade 1
Boiling Water Resistance	2 Hrs, no change
Abrasion Resistance	5.33L/µm
Thermal Expansion	23.1 x 10 ⁻⁶ /°C-1
Thermal Conductivity	0.030w/m.k
Heat Deflection Temperature	99.4°C
Thermal Deformation Temperature	≥ 90°C
Acoustic Insulation	27dB

Mechanical Properties

Test Item	Test Value
Impact Resistance	50 kg/cm, no cracking
Bending Strength	>121Mpa
Shearing Strength	32Mpa
Peel Strength	1.1kg/mm
Tensile Strength	49Mpa / N/mm ²
Flexural Modulus of Elasticity	3.12 x 10 ⁴ Mpa

Chemical Properties

Test Item	Test Value
Acid Resistance	No change
Alkaline Resistance	No change
Oil Resistance	No change
Solvent Resistance	No change
Resistance to Salt Spray	Grade 1
Alcobond Fire Retardant Flame Retardant Grade	Grade A

Standards: USA: ASTM D903-98;2010, ASTM D648-16, ASTM E84-15b, ASTM E119-16a, NFPA 285



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