



TKDN 70%
TINGKAT KOMPONEN DALAM NEGERI



01 Aluminium Composite Panel

ALCOTUFF ECO is an aluminum composite panel (ACP) of 0.2 mm architectural aluminum cover sheets with PE holding material middle core layer. It can be used for industrial signage, POS (Point of Sale) Display, shop fitting, exhibition partitioning, wall lining, ceiling, kitchen cabinet where high load bearing capacity is not required.

ALCOTUFF ECO standardly designed for interior decorative and flat application yet still fold-able with routing pre-treatment. ALCOTUFF ECO has short term use of color weatherfastness.

02 Product Specification

Panel Thickness (mm)	Aluminium Thickness (mm)	Dimension (mm)	Core	Coating	Color
3 mm / 4 mm	0,2 mm	1220 mm X (2440 / 4880 mm)	PE-Polyethylene	Polyester	27

*custom sizes are available upon request.



* Written Warranty certificates will be issued for every necessary project based on the specifications of panels and color coatings used plus the environmental conditions. Certain colors due to raw material composition would have longer or shorter warranted life span.



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Excellence through Passion

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Plant 1

Kawasan Hyundai Lippo Cikarang
Jl. Inti Raya Blok C4 No. 2-3
Bekasi 17550 - Indonesia

Plant 2

Kawasan Delta Silicon 2 Lippo Cikarang
Jl. Trembesi Blok F17-1
Bekasi 17550 - Indonesia

www.impact-pratama.com

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World-Class
Aluminium Composite Panel

Alcotuff **eco**
simply the best

03 Product Features

Mechanical Properties of panel

Testing	Unit	Result
Tensile Strength (ASTM E8)	N/mm ²	46
Yield Strength (ASTM E8)	N/mm ²	40
Elongation (ASTM E8)	%	7
Flexural elasticity, E (ASTM C393)	N/mm ²	10
Flexural rigidity, ExI (ASTM C393)	kNmm ²	115

Coating Performance Properties

Test Method

Criteria

Impact	ASTM D2794	>4 m.kg
Formability (T-bend)	NCCA 11-19 ASTM D1737-62	3T, no cracking
Reverse impact-crosshatch	NCCA 11-5	No pick off
Hardness-pencil	ASTM D3363	HB turquoise pencil
Adhesion, dry	ASTM D3359, method 8	No pick off
Adhesion, wet	37.8°C, 24 hrs	No pick off
Boiling Water	100°C, 20 min	No pick off

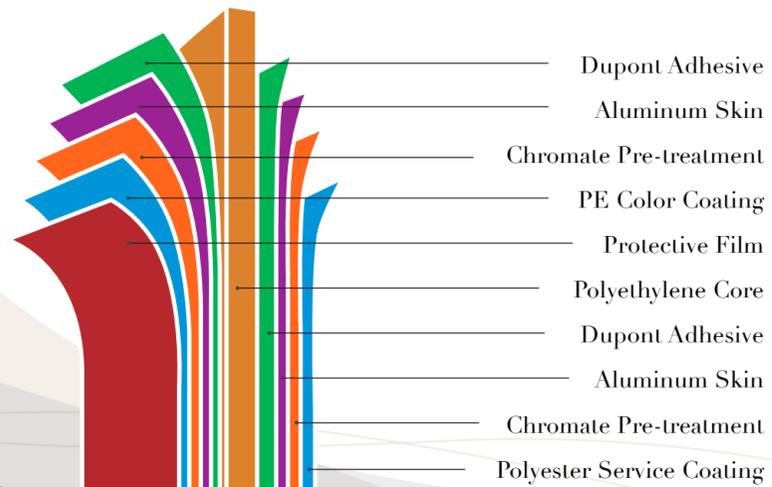
Chemical Resistance

Test Method

Criteria

Muriatic acid, HCL 2%, 24 hrs	ASTM D1308-87	No change
Sodium hydroxide, 2%NaOH, 24 hrs	ASTM D1308-87	No change
Detergent, 2% solution, 38°C, 72hrs	ASTM D2248-93	No change
Oil Resistance	ASTM D1308	No visible change

04 The Anatomy



05 Color Selection

Color availability is based on the thickness of the aluminium skin, which comes in 0,2 mm

0.2 series



0.2 series

