

Dziękuję
Pomocniku
Mikołaja

Aluwell® X Panel

Together, we can.



a Taiwanese company with 40 years experience in
composite materials industry.

Aluwell®
X Panel

X panel, born for truck box body.

Materials
to Create
Solutions

**Aluwell®
X Panel**



thin, light, strong, impact-resistant, flat and easy to install.

consist of two sheets of 0.3-0.5mm high strength alloy steel and plastic core. A 7.5mm thick panel can replace 60mm sandwich structure of galvanized steel and PU.

Adding a small amount of tungsten, vanadium, silicon, molybdenum, nickel, manganese greatly improves the strength and hardness of the steel. Nickel makes higher toughness, and copper, nickel and chromium increase corrosion resistance and prevent rust.

**X1- steel
composite
panel**

**Aluwell®
X Panel**

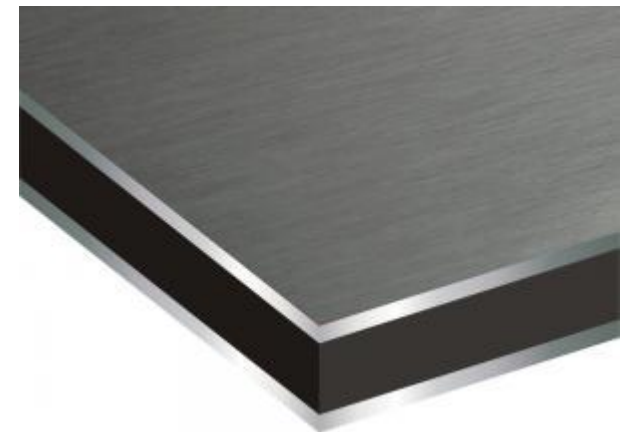
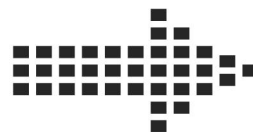
Primer polyester finish

X1 high strength alloy steel

film/modified polyethylene/film

X1 high strength alloy steel

Primer polyester finish



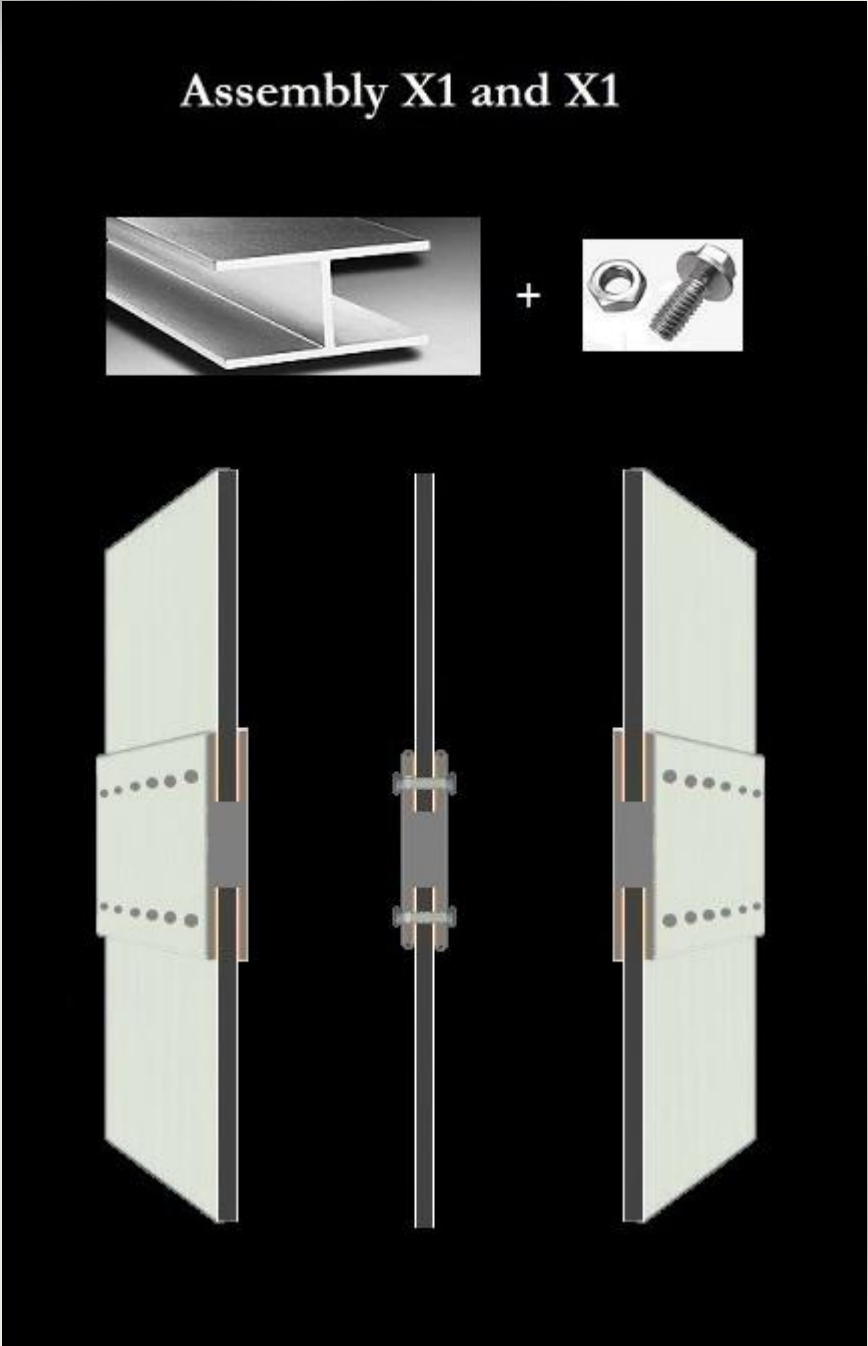
Specifications

Panel total thickness	3-13 mm
Steel thickness	0.3-0.5 mm
Panel width	1,250 mm
Panel length	12 meter
Color	By request
Surface coating	Weather-resistant high-performance polyester

Mechanical properties

Panel Thickness /mm	Steel Thickness /mm	Flexural Strength /psi	Tensile Strength /psi	Bonding Strength in-lb/in	Impact Resistance /lbs	Impact Force Lbs-in	Panel Weight kg/sqm
ASTM Standard		D790	D638	D1781			
4	0.3	30.8	16.1	>50	828	358	6.85
6	0.3	20.7	9.9	>50	1,152	406	8.25
6	0.4	22.6	10.8	>50	1,368	378	9.35
8	0.4	14.7	10.3	>50	1,758	548	10.36
8	0.5	15.8	13.7	>50	1,857	524	11.96

X1- steel composite panel

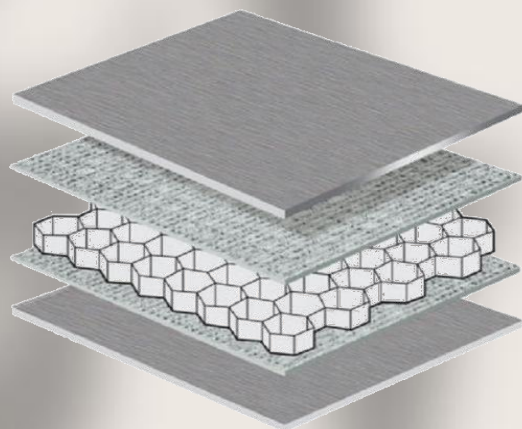


Exclusive and innovative materials designed for truck rear doors.

On the basis of aluminum honeycomb panel, we add modified polyethylene components to further increase the strength.



**X3- Aluminum
honeycomb
panel**





**X3- Aluminum
honeycomb
panel**



Aluwell®X3

**1,250 kgs pressure on X3 -
aluminum reinforced composite panel**

Panel total thickness

20-50 mm

Aluminum thickness

0.8-1.0 mm

Panel width

1,575 mm

Panel length

5.8 meter

Color

By request

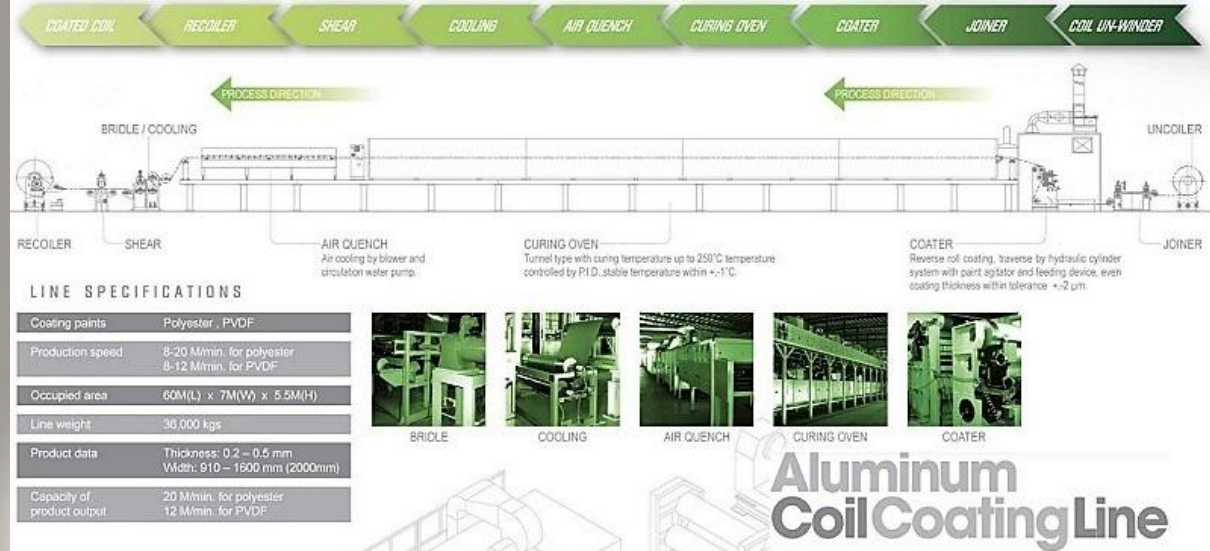
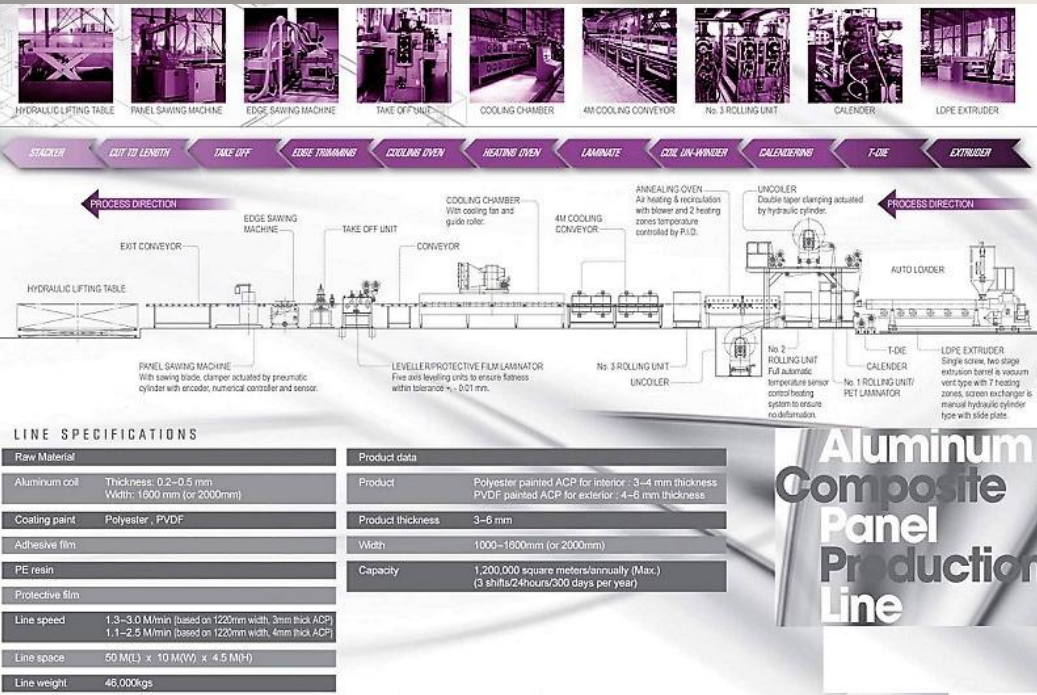
Surface coating

Weather-resistant polyester

Technology

Thanks to the Taiwan parent company's 40 years of equipment manufacturing experience, we can continue to innovate products.

We know machine, we make panel better.



Together,
we can.

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 **LUMAX**

