



IMPACT FILLED EXTERIOR & INTERIOR APPLICATIONS

- Building facades, curtain wall, facades renovation ·
- Airport terminal, railway station ·
- Pedestrian walkway, bus & train interior ·
- Column covers & beam wraps ·
- Stairways and elevators ·
- Partitions and ceiling panels ·



Metallic Silver 3LW693



Metallic Gold 3LW671



Metallic Black 3LW689



Champagne Gold 3LW670



Sub Silver 3LW650



Red 3LW625



Light Grey 3LW651



Dark Grey 3LW649



Yellow 3LW607



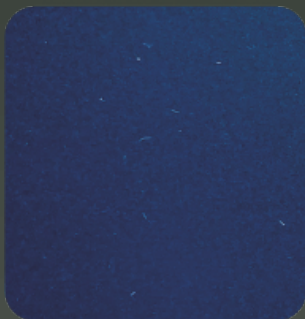
Orange 3LW613



Apple Green 3LW632



Green 3LW631



Steel Blue 3LW639



Tropic Blue 3LW637



Dark Blue 3LW638



White 3LW601



Cream White 3LW603



Brown 3LW620

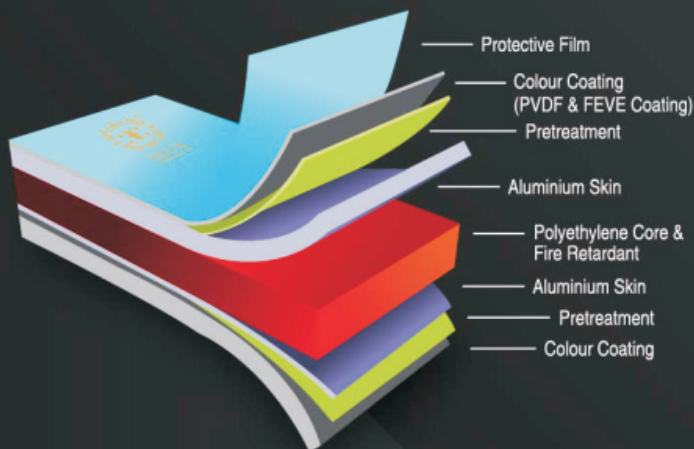


Black 3LW643



COMING SOON

PANEL COMPOSITION



TECHNICAL DATA

Product Specification & Tolerance		
ITEM	SPECIFICATION	
	Standard	Customize
Panel Thickness	4 mm	≤ 6 mm
Aluminium Thickness	0.4 mm	0.5 mm
Aluminium Alloy	AA3003	AA1100, AA5005
Panel Width	1250 mm	800-1550mm
Panel Length	2400 mm-4880mm	6000mm
Surface Coating	PVDF Coating	FEVE/ Nano Coating
Tolerance		
Diagonal	±5.0mm	
Warpage	±5mm / m	
Thickness	±0.2mm	
Length	±4.0mm	
Width	±2.0mm	

3LUX presents a host of distinctive advantages

Durability Up To 10 Years Warranty On Coating

3LUX is resistant against weather (extreme change of temperature) and pollution, making it extremely durable and stable. It is also shock resistant due to its vibration absorbent feature. Being coated with PVDF/PE paints on the front surface and anti-corrosive pre-treatment/coated with anti-corrosive paints at the back surface has added value to its durability.

Easy Installation & Maintenance

3LUX's features in flexibility stand out in easy installation, be it exterior or interior space of any buildings. In addition, 3LUX is easy to maintain.

Cost Effective

3LUX is cost-effective as well as fast track construction solution for new buildings and refurbished properties. 3LUX come in high solar reflective-colours. This characteristic provided high energy efficiency to the structural properties.

Flexibility & Versatility

3LUX is light but strong and unbreakable, making it particularly flexible because it is easy to fold, curve, cut and shape to the architects' creativity. 3LUX has an evenly flat and smooth surface as well as excellent form-ability, making designing of properly an easier task.

Green Feature

Not only recycled material is used in the production of 3LUX but 3LUX is itself recyclable without leaving any harm to the environment. Our mission: Building better Future. Be trendy and environmental friendly.

Fire Retardant

3LUX is classified as index "0" B85476 Part 6 for fire propagation and class "One" B5476 Part 7 test for surface spread of flame. Its fire-retardant feature provide extra safety to your properties.

COMPARISON CHART BETWEEN 3LUX PANELS, SOLID ALUMINIUM AND STEEL

ITEM	3LUX PANELS	STEEL	SOLID ALUMINIUM
Weight	4mm: 5.5kg / m ²	1.5mm: 11.47kg / m ²	3mm: 8.0kg / m ²
Flatness	Very Flat	Uneven	Uneven
Sound Insulation	25db	5db	15db
Echo Response	Low	Medium	High
Heat Insulation	Best	Poor	Poor
Weather Proof	Good	Good	Good
Fire Proof	Good	Good	Good
Paint Microns	Even	Uneven	Uneven
Paint Consistency	Best	Inconsistent	Inconsistent
Deliver	Quick	Slow	Slow
Fabrication	Easy	Very Tough	Difficult
Maintenance	Easy	Easy	Easy
Installation	Quick	Slow	Slow
Total Cost	Economical	Expensive	Medium Cost

MECHANICAL PROPERTIES

ITEM	PERFORMANCE
Panel Weight	5.5kg / m ²
Tensile Strength (ASTM E8)	4.9kg / mm ²
Rigidity	2,400 kNcm ² / m
Bending Stress	11,500 lb / in ²
Elongation (ASTM E8)	14%
Temperature Resistance (ASTM D2246)	-50°C ~ 80°C
Wind Load Pressure Resistance (ASM E330-84)	
None Deformation or Cracking	452kg / m ²
Sound Insulation (ISO 140/3)	Rw= 26
Punching Shear Resistance (ASTM D732)	22N / mm ²
Impact Test (1kg steel ball with height 50mm)	2.2 mm (Dent depth)

COATING PERFORMANCE

ITEM	PERFORMANCE
Gloss (ECCA T2)	15-35 units Gardner 60
Colour Retention	ΔE ≤ 2
Salt Spray (ASTM B117)	Passed 3000hrs
Bending (ASTM D4145)	≤ 2T
Solvent Resistance (ASTM D5402)	≥ 100 double rub with MEK
Acid Resistance (ASTM D1308-87)	Passed
Alkali Resistance (ASTM D1308-87)	Passed
Humidity Resistance (ASTM D714-87)	3000hrs no blister
Pencil Hardness (ECCA T4)	≥ F