

Alumverde

ALUMVERDE



CO-EXTRUSION
ALUMINUM TUBE

**TECHNICAL
SHEET**

TECHNICAL DATA

Material: CoAlu - Aluminum 6063 T5 and SURLYN Co-extruded layer

Standard Length: 2.9m/5.8m

Finishing: Matte brush; Authentic wood feeling

Characteristics: UV Resistance, Waterproof, Fireproof, Anti-deformation/Low expansion

Color: Teak, Oak, Dark Grey, Walnut- Support Color Customization

Installation: Threaded U-bracket/ Concealed Embedded U-bracket/
Concealed riveting screw

Aluminum/Co-extrusion Layer Thickness: 1.2mm/1mm

Overall Tolerance: +/-0.5mm

Thermal Expansion Coefficient: 25 $\mu\text{m}/\text{m}/^\circ\text{C}$

Tensile Strength: 207N/mm²

Specifies Non-proportional Elongation Strength: 175N/mm²

Elongation after Break: 9%

Hardness: 9~10

UV Resistance: ASTM G154-23 Cycle1 & ISO 105-A02:1993/Cor.2:2005 Grey Scale Rate 4.5 in 3000h test

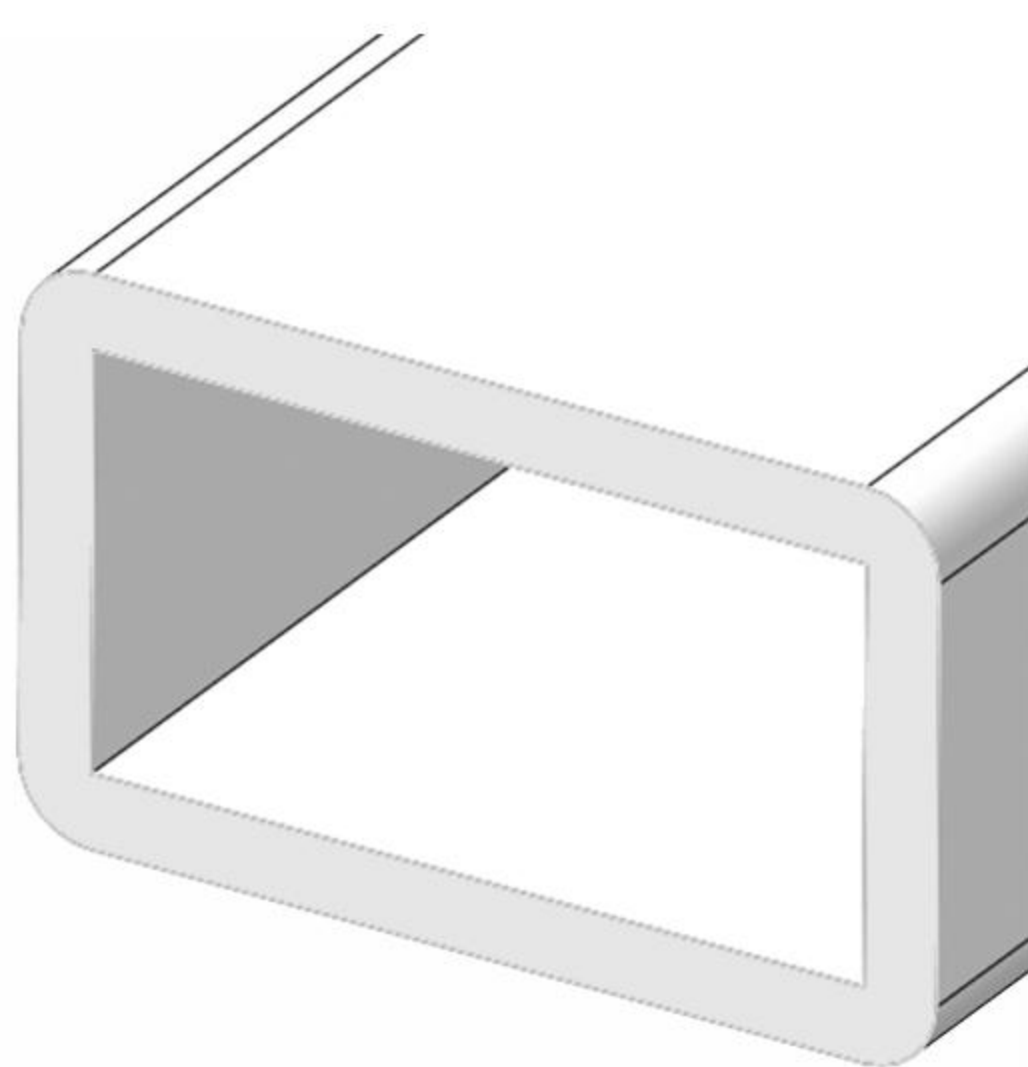
Fire Resistance: ASTM E84 Class A; En 13501 (Testing ongoing)

Available Size(mm): 25x15, 50x30, 60x50, 80x40, 120x30. Customized Size is supported

Available Accessories: Plastic Cap, Aluminum L-joist(Bracket), U-bracket and other fitting

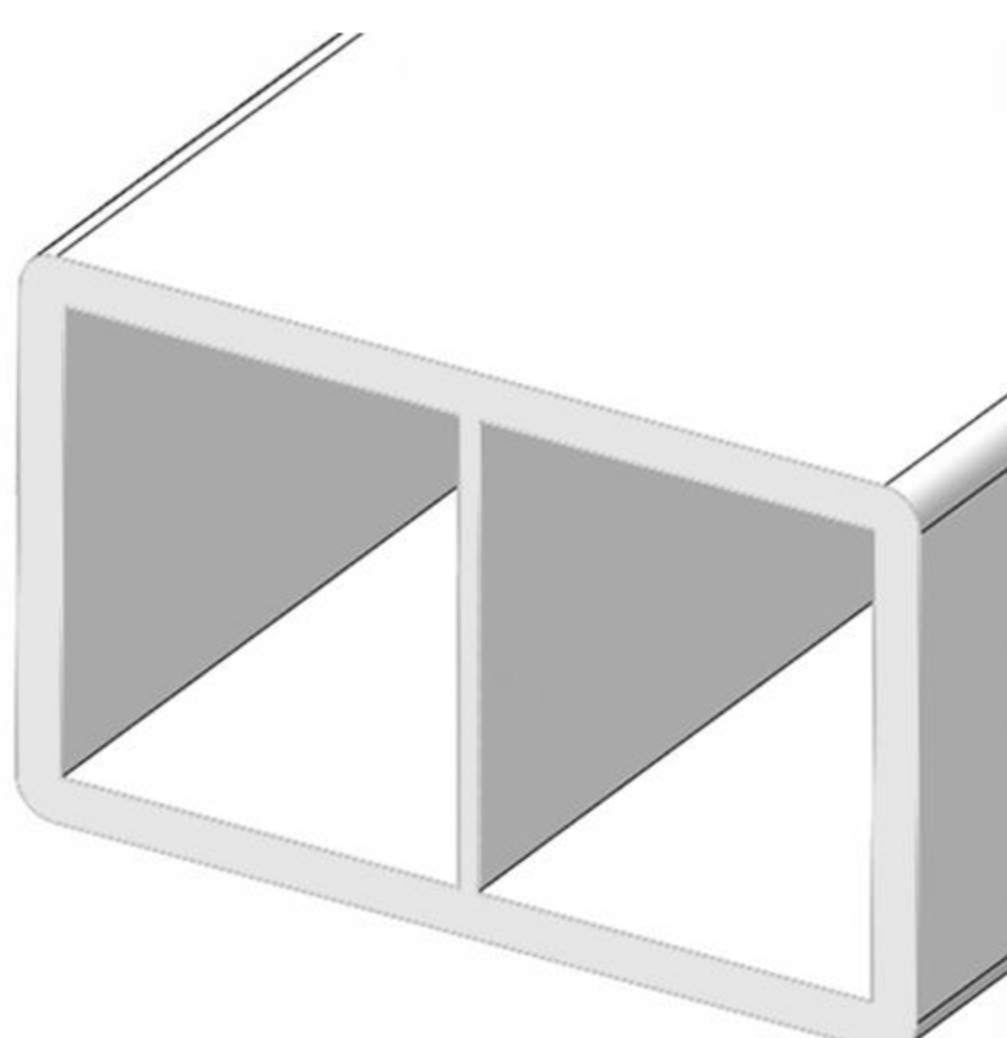


ABILITY TO RESIST TORSION



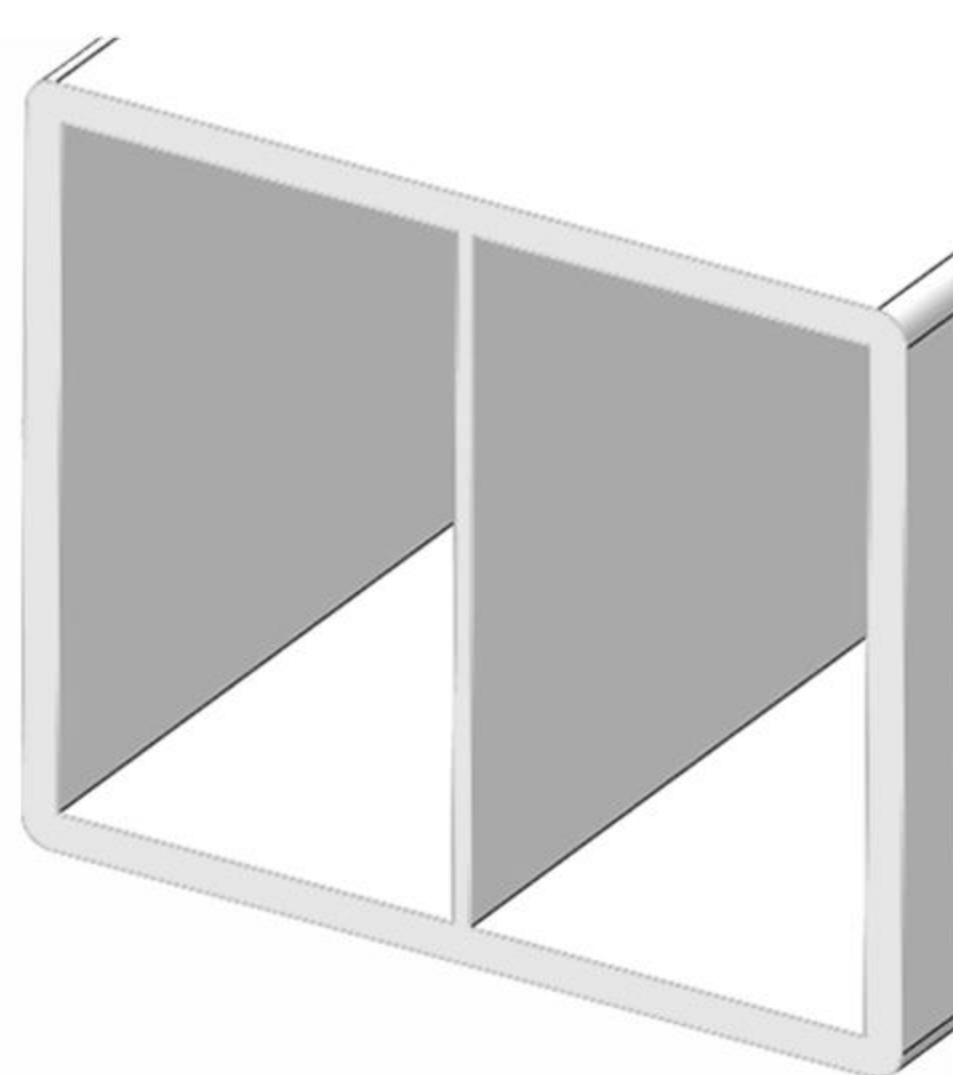
AC-ST01-15 x 25mm

Ix of the moment of inertia	CM4	0.45
Iy of the moment of inertia	CM4	1.05
Iz of the moment of inertia	CM4	1.5



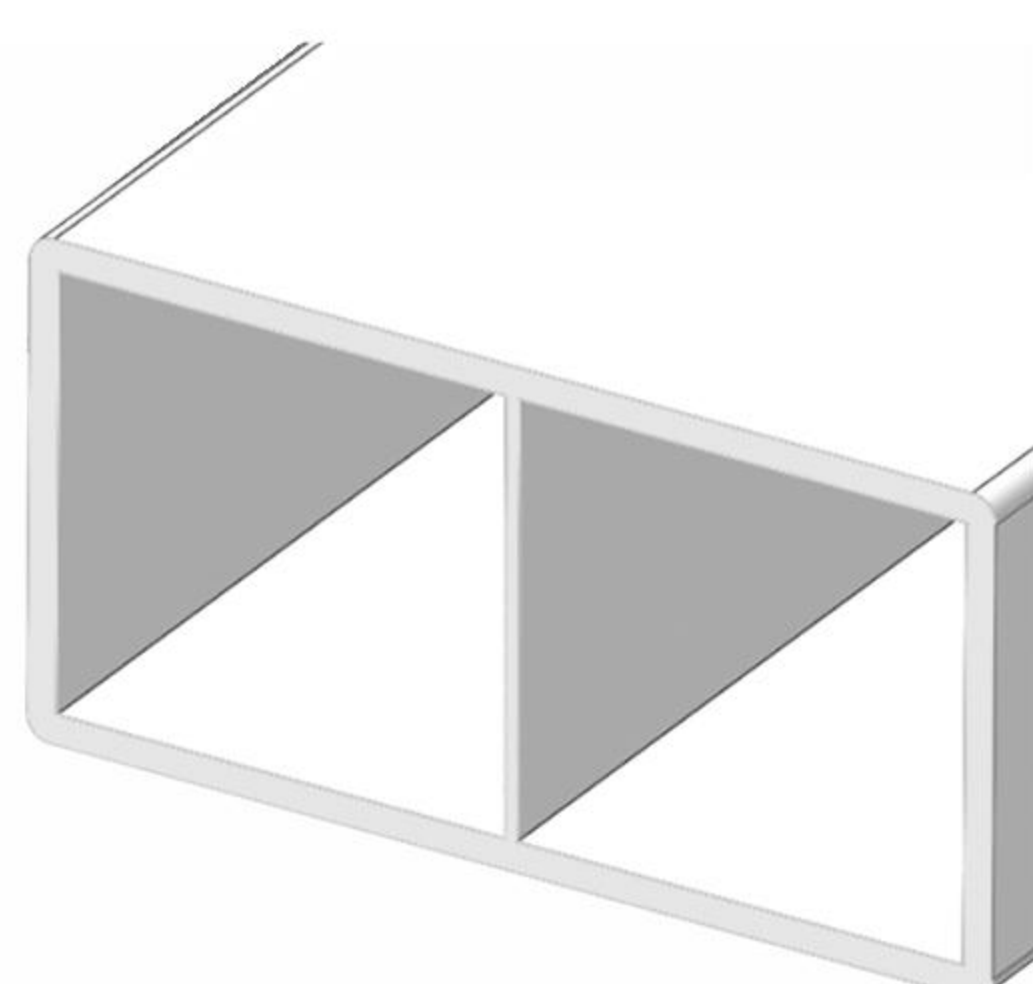
AC-ST02-30 x 50mm

Ix of the moment of inertia	CM4	5.47
Iy of the moment of inertia	CM4	12.06
Iz of the moment of inertia	CM4	17.53



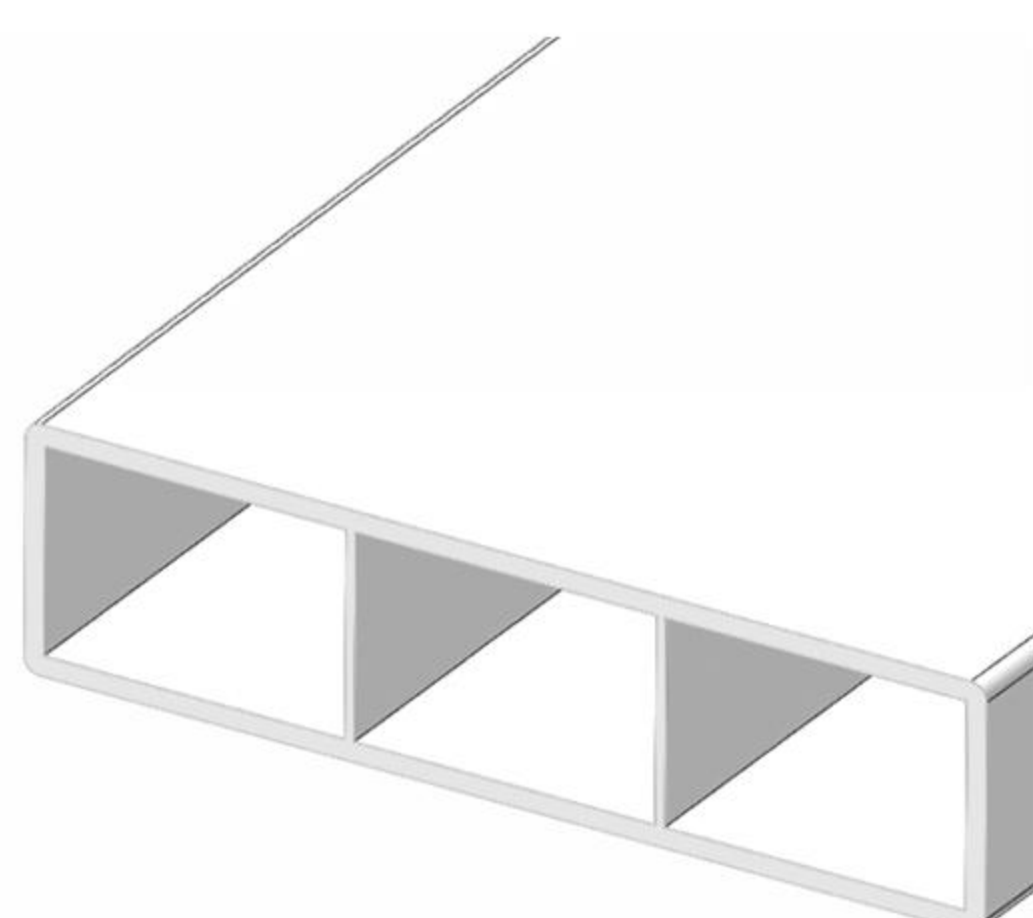
AC-ST03-50 x 60mm

Ix of the moment of inertia	CM4	21.44
Iy of the moment of inertia	CM4	27.31
Iz of the moment of inertia	CM4	48.75



AC-ST04-40 x 80mm

Ix of the moment of inertia	CM4	16.17
Iy of the moment of inertia	CM4	47.08
Iz of the moment of inertia	CM4	63.25



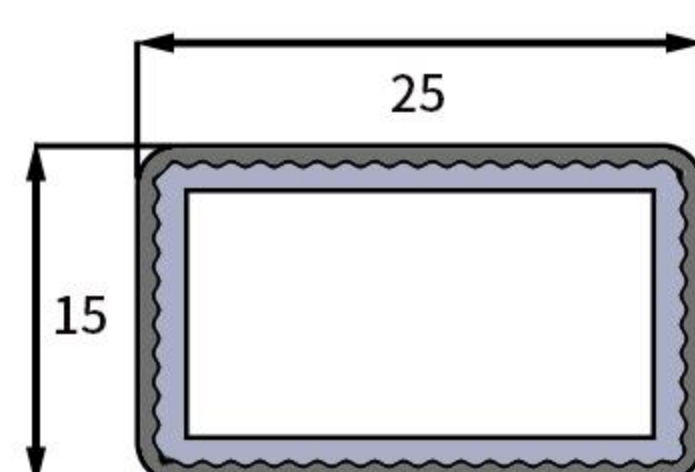
AC-ST05-30 x 120mm

Ix of the moment of inertia	CM4	12.26
Iy of the moment of inertia	CM4	116.18
Iz of the moment of inertia	CM4	128.44

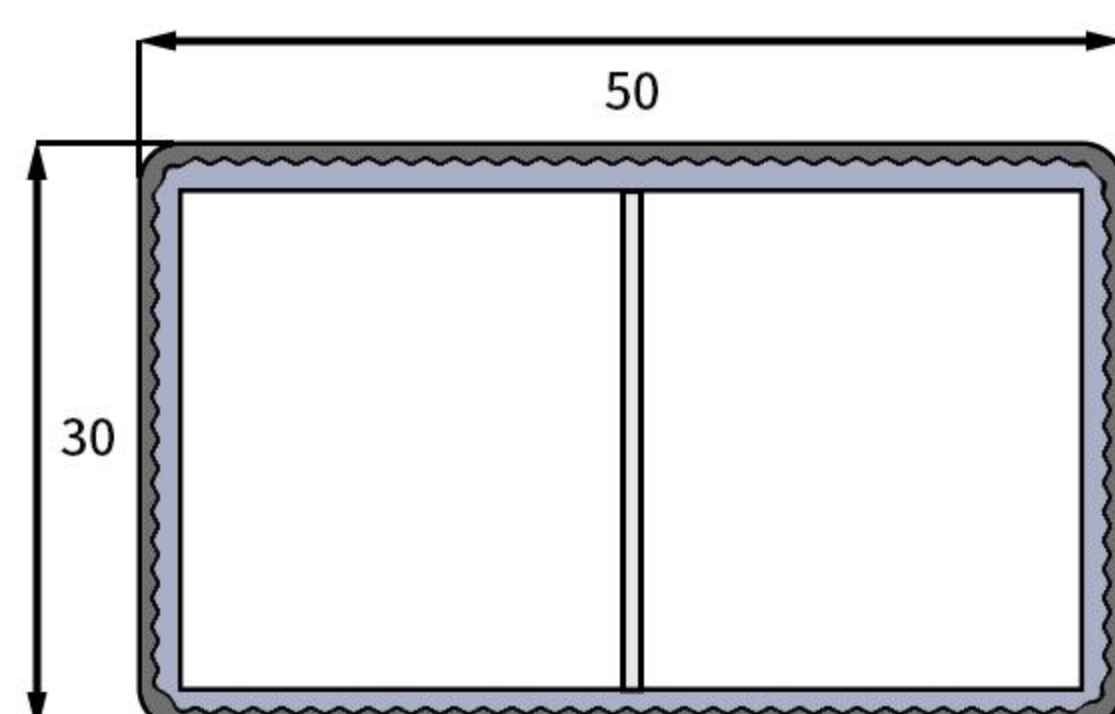
MAXIMUM JOIST SPANS

	25x15mm	50x30mm	60x50mm	80x40mm	120x30mm
Horizontal Installation	1.5m	1.5m	1.5m	2m	2.5m
Vertical Installation	1.5m	3m	3m	3m	3m
Weight	0.24kg/ml	0.68kg/ml	0.92kg/ml	0.95kg/ml	1.25kg/ml

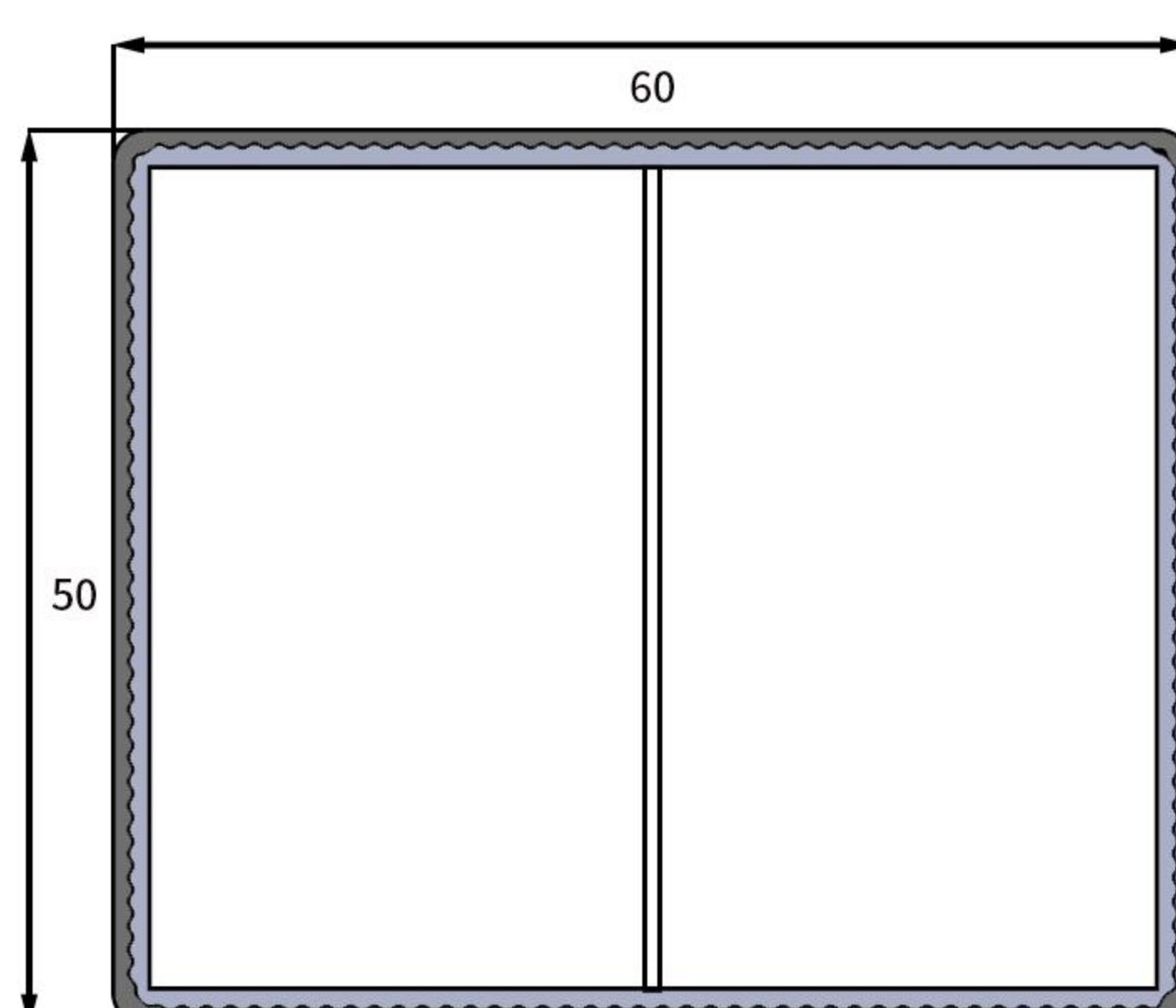
PROFILE



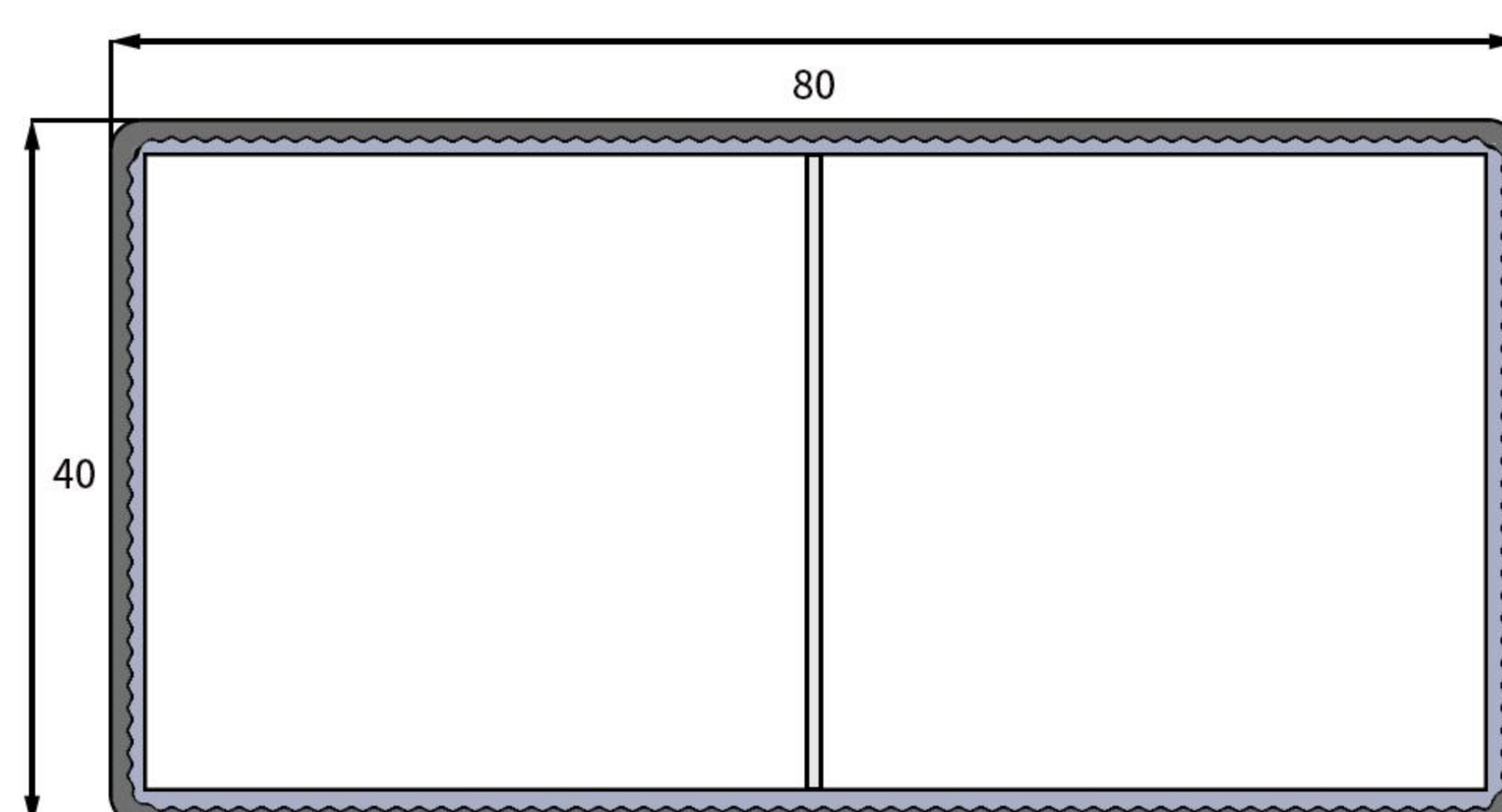
15 x 25mm



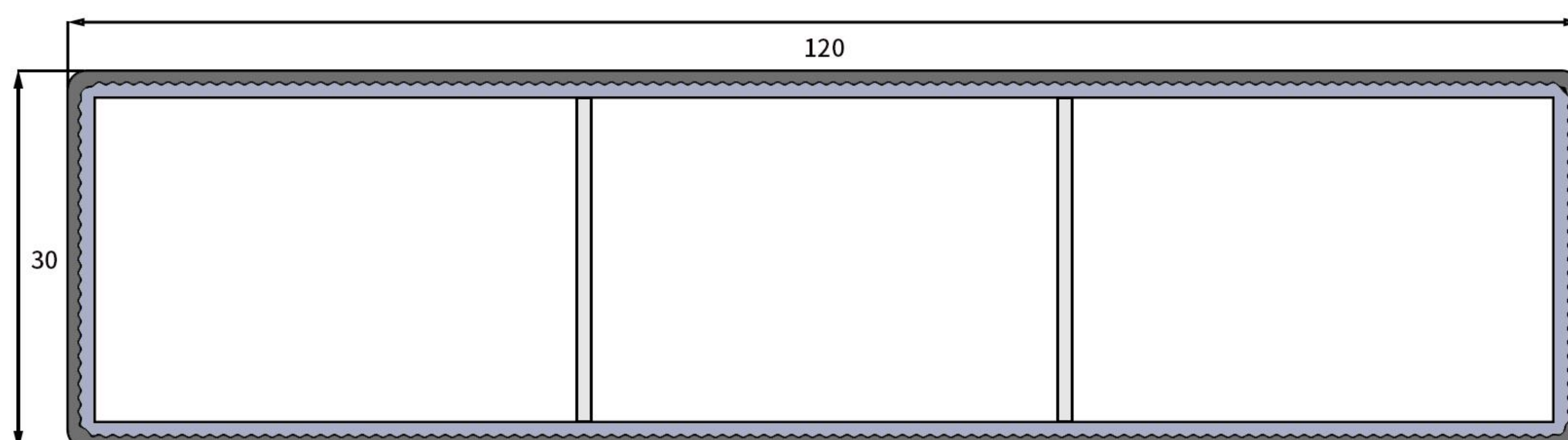
30 x 50mm



50 x 60mm



40 x 80mm



30 x 120mm

INSTALLATION

1. Screening

Mexytech special concealed riveting screw fitting to avoid exposure of U-bracket at it best.

Traditional U-bracket can be combined with the system to reach more stable structure.

Both are suitable for modular installation.

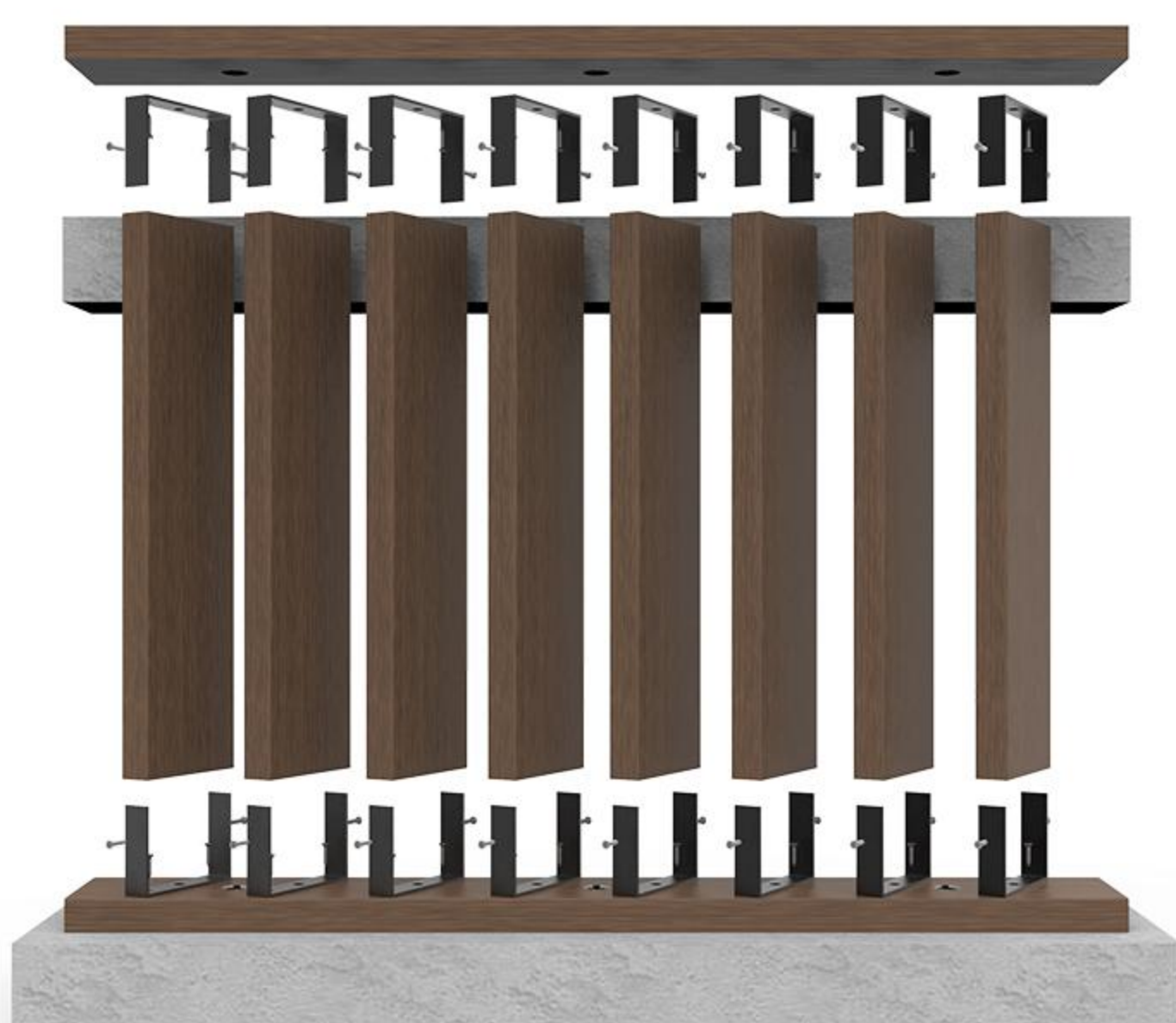
Required Accessories: Threaded Rivets& Screw/L Joist/L Bracket/Bolts/(U-bracket)

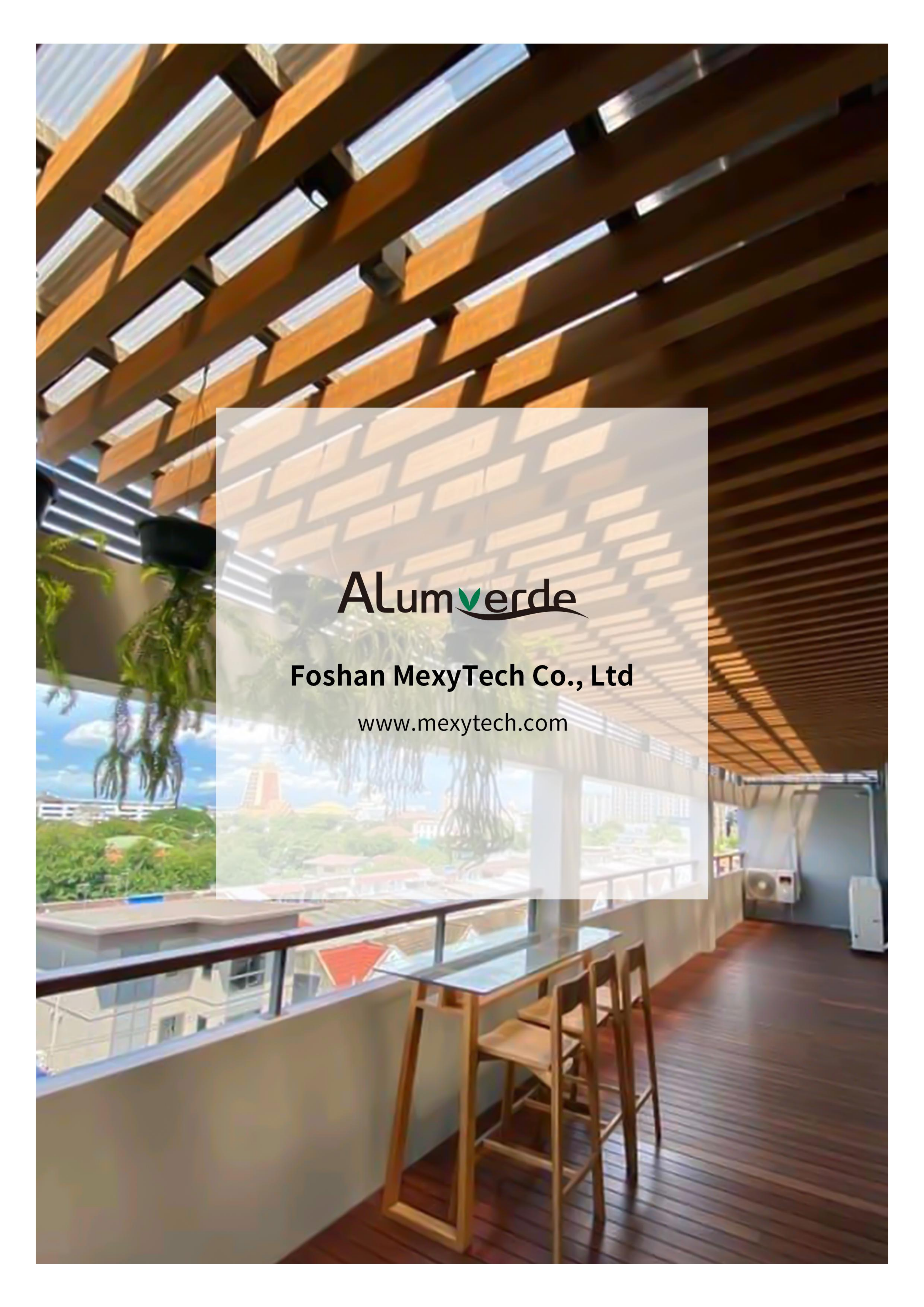


2.Louver

Applying concealed embedded U-bracket to assemble the full louver system, with the accessories unseen to achieve aesthetic beauty.

Required Accessories: Concealed embedded U-bracket/Screws





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Foshan MexyTech Co., Ltd

www.mexytech.com