

Alu-Joist adjustable support system by



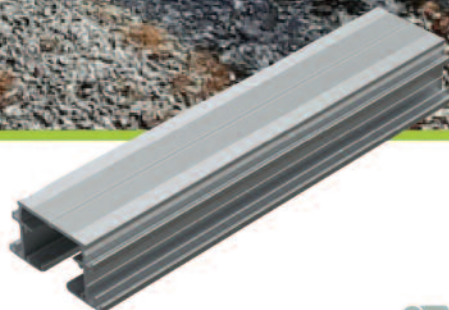
BetterDeck[®]
a lifetime outdoors

Decking

Ardmore, Co. Waterford

Our Innovation Your Solution

Alu-Joist was developed for use with VersiJack[®] height-adjustable pedestals to create a substructure for raised paving systems, allowing for an increased level of versatility and stability.



100% RECYCLABLE

About *Alu-Joist*



Alu-Joist comes in two sizes, 35mm or 80mm high. It is complemented by a comprehensive list of accessories to accommodate installations of various requirements.

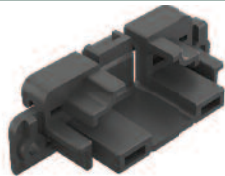
Alu-Joist is connected to VersiJack® pedestals using an adaptor and once locked in place, the substructure prevents pedestals from unintended movement during installation, maintenance and everyday traffic atop the raised deck.

Alu-Joist comes with a corrugated flat top to allow simple and accurate fastening of any unique deck board clip for its specific deck board profile.

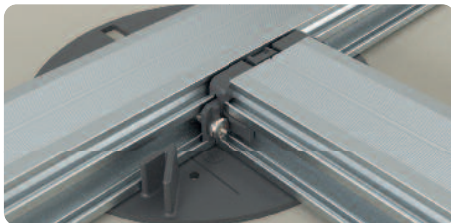
- 1 Alu-Joist is designed for seamless compatibility with BetterDeck® composite decking and most other conventional fixings and deck board profiles available in the market.
- 2 The Joist Adaptor is used to connect aluminium joists securely to the pedestal.
- 3 Pedestal VersiJack® height-adjustable pedestals can be used with Alu-Joist, offering a high strength, durable, and reliable substructure for decking installations.

Alu-Joist Accessories

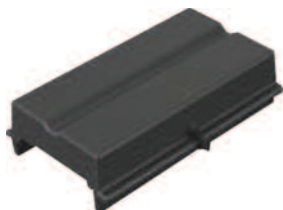
Perpendicular Joist Joiner



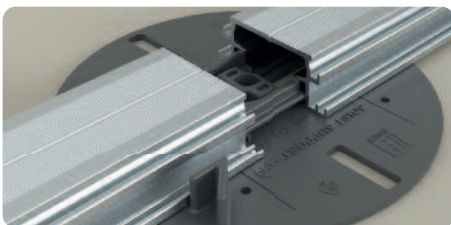
Perpendicular Joist Joiner allows one end of a joist to connect perpendicularly along the length of another joist.



Straight Joist Joiner



Straight Joist Joiner is a concealed joiner that connects 2 joists in a straight line.



Angled Joist Joiner



Angled Joist Joiner is a stainless steel joiner that connects 2 joists in a straight line or at an angle.



90 ° Joist Joiner



The 90° Joist Joiner connects two joists for fascia. This Joist Joiner can also be used for steps.





- 1 Alu-Joist 35/80mm
- 2 90° Joist Joiner
- 3 Straight Joist Joiner
- 4 Perpendicular Joist Joiner

Technical Specifications

	Alu-Joist; 35mm	Alu-Joist; 80mm
Material	Aluminium ¹	Aluminium ¹
Linear thermal expansion coefficient	$2.34 \times 10^{-5} \text{ K}^{-1}$	$2.34 \times 10^{-5} \text{ K}^{-1}$
Supply length (m)	3	3
Height (mm)	35mm	80mm
Design span along joist (mm)		
Live load @ 3.0 kN/m ²	900mm	1900mm
Live load @ 5.0 kN/m ²	600mm	1600mm
Biological / Chemical resistance	Unaffected by moulds and algae. Resistant to corrosion	

¹ A6063 T5

² Uniformly distributed live loads on residential raised floor balconies should not exceed 3.0 kN/m².

³ Uniformly distributed live loads on commercial raised floor areas should not exceed 5.0 kN/m².

⁴ Full BetterDeck engineering span reports upon request.

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