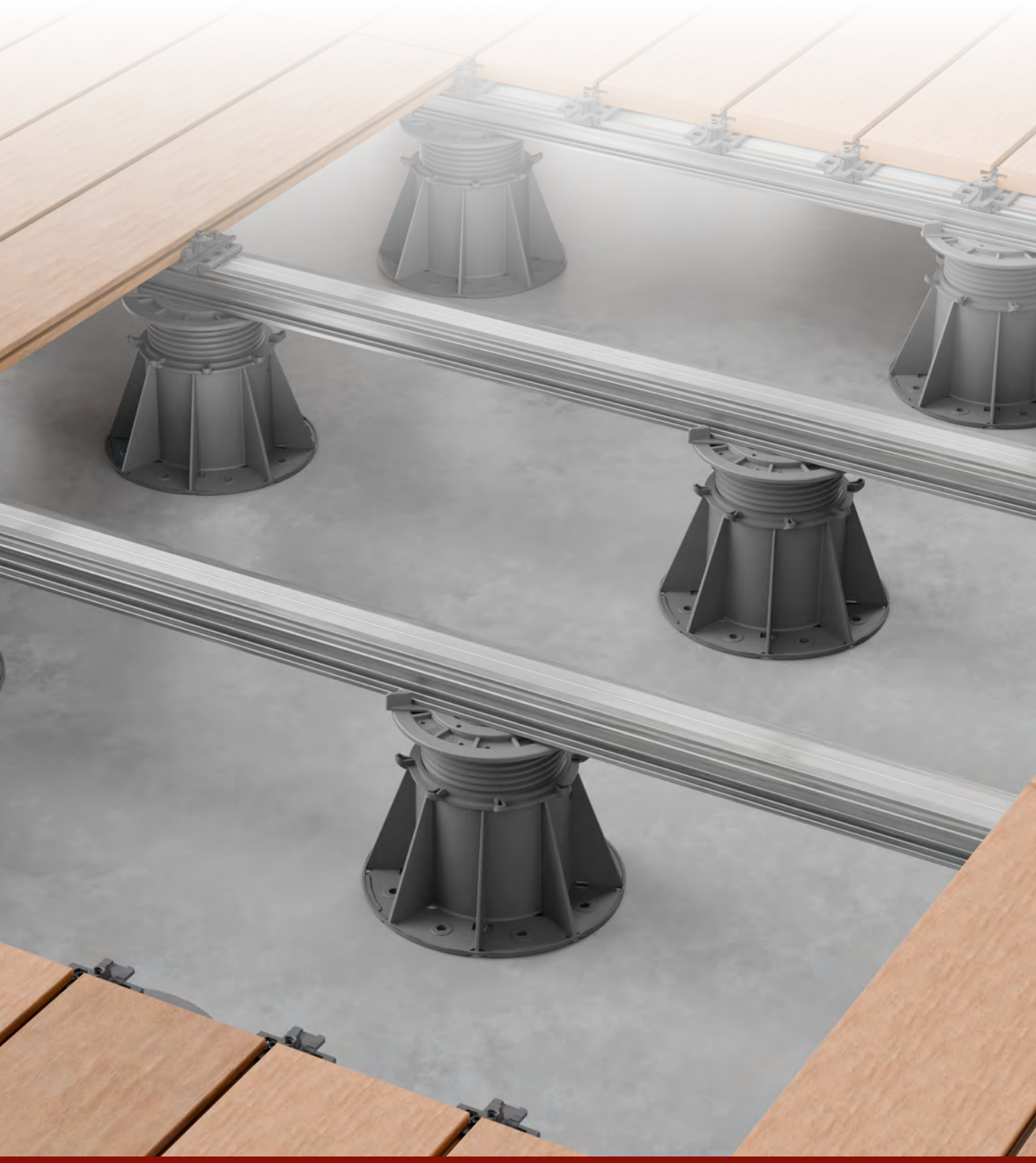
DECKING

VersiFrame®

Aluminium Joist for Deck Support

ELMICH



We make the difference.
The Elmich Difference.

100%
Recyclable

VersiFrame®

VersiFrame® is an aluminium joist system developed to be used in conjunction with VersiJack® pedestals to construct a more stable and versatile substructure for raised decking. It improves heat insulation, facilitates rapid surface drainage and creates an easily accessible chamber to conceal mechanical and electrical services.

About VersiFrame®

VersiFrame® comes in three heights: 25 mm, 35 mm or 60 mm. It is complemented by a comprehensive list of accessories to accommodate installations of various requirements.

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

VersiFrame® has a corrugated flat top that allows for simple and accurate fastening of any unique deck board clip for its deck board profile.

1. VersiFrame® Aluminium Joist

VersiFrame® Aluminum Joist is designed for seamless compatibility with most conventional fixings and deck board profiles available in the market.

2. Joist Adaptor

Joist Adaptor is used to connect aluminium joists securely to the pedestal.

3. Pedestal

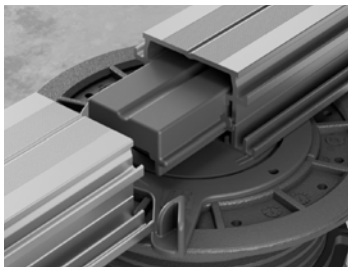
VersiJack® height-adjustable pedestals can be used with VersiFrame® Aluminium Joist, offering high strength, durability, and reliable substructure for decking installations .

Design Features

Junction Adaptor

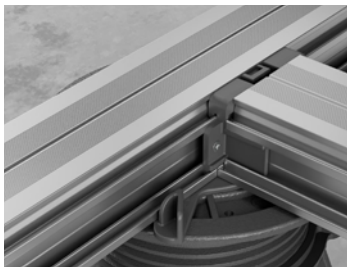
Straight Joist Joiner

A concealed adapter that connects the ends of two joists in a straight line, with the joint resting on top of a pedestal.



Perpendicular Joist Joiner

An adapter that connects one end of a joist along the length of another joist, with the joint resting on top of a pedestal.



Concealed Deck Board Fastener

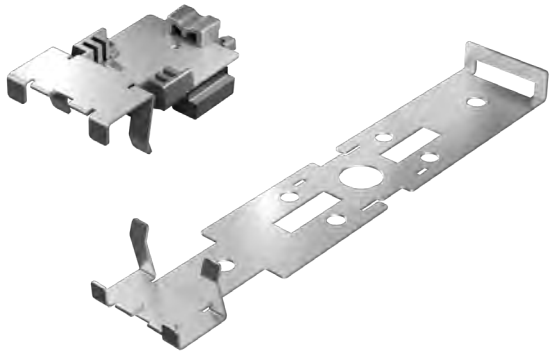
DeckLink™ Solutions

The fastener clips onto the joist and secures deck boards by their grooves using a semi-circular head and screw. This head is rotatable when loosened to allow easy removal or replacement of deck boards during maintenance.

SnapClip™ Solutions

The fastener is secured onto the joist using a screw. Its flexible hook snaps into similarly grooved deck boards, allowing for easy removal or replacement of deck boards during maintenance.

Deck Fascia Board



Vertical Edge Clips

Attached at the top and base of the pedestal, Vertical Edge Clips hold the front rim joist that receives the deck fascia boards, forming the border of the deck.

Technical Specifications



	VersiFrame® 25F	VersiFrame® 35F	VersiFrame® 60F
Material		Aluminium[1]	
Linear thermal expansion coefficient		2.34 x 10^{-5} K^{-1}	
Supply length (m)		2.4	
Height (mm)	25	35	60
Design span along joist (mm)			
Live load[2] @ 3.0 kN/m²	600	900	1,200
Live load[3] @ 5.0 kN/m²	400	600	1,000
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.*

The Elmich security hologram ensures authenticity of the products.

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