



Slimline Integrity Range

STEEL WINDOWS

Description

Nilfire's Slimline system is a specially designed slim profile fixed window system. Our Slimline windows cater for fire rated openings requiring an integrity only FRL of -/60/- up to -/180/- and are manufactured with resilient folded steel frames. This system is generally used for the external protection of properties or properties in close proximity to a boundary line but can also be used for internal applications.

Fire Resistant Level (FRL)

One hour (-/60/-) Fire Resistant Level – Integrity Only – to meet -/60/- FRL as prescribed in Building Code of Australia.

Compliance

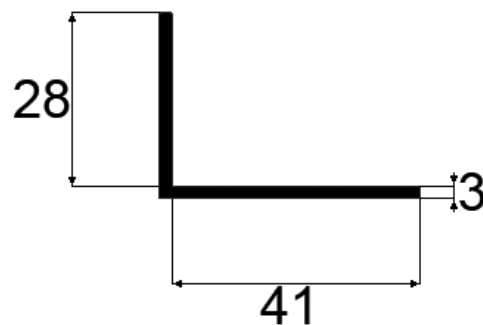
Fully Certified to Australian Standard 1530 Part 4 (AS1530.4).

Application

Slimline windows can be installed into the opening of a fire rated wall with an equal or greater FRL including; steel stud walls, fire rated masonry walls, gypsum block walls, aerated concrete blocks and fire rated wall panels.

Frame Profiles (Fixed Only)

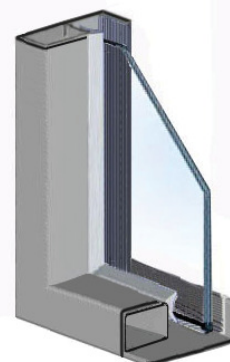
Our Slimline range offers a variety of fixed window configurations customised to suit your specific needs. The Slimline frame profile consists of a 28mm x 41mm steel frame section.



Slimline comes standard with a snap on bead or with the option of a screw fixed bead and covertrim.



Standard



Cover trim

Glass Options

5mm Ceramic

Clear fire resistant glass cut to size. Available for FRL rating -/60/- to -/180/-.

6mm Borosilicate Toughened & Tempered

Clear fire resistance glass cut to size with polished edges and treated in an oven as part of the toughening and tempering process. Available for FRL rating -/60/- to -/120/-

Finish

- Standard -** A four step powder coat process, including; garnet sandblasting, zinc enriched galvanizing, e-powder undercoat and powder coat top coat to selected colour. Standard colour selection is the Dulux Duralloy Range. Higher grade powder coat protection is available upon request.
- Optional -** Paint finish upon request.

Additional Features & Options

- Translucent films (Frosted Glass or Tinting to selected colour).
- An option of supply only or supply and installation.

Installation Requirements

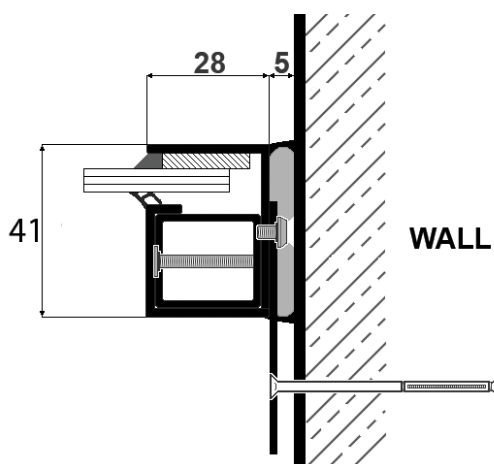
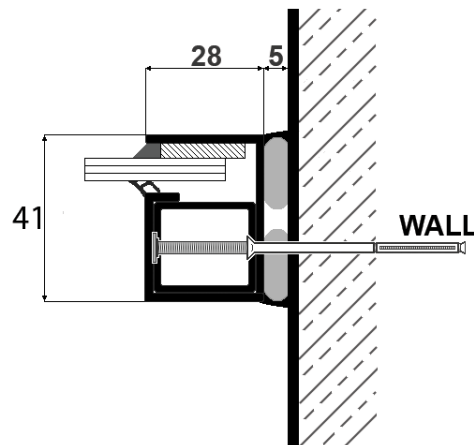
- Wall opening must be fire rated with an equal or greater FRL. Examples include; steel stud walls, gypsum block walls, plasterboard and aerated concrete block.
- Wall opening must provide for a 5mm clearance around the manufactured frame sizes.
- They can be provided pre-glazed (depending on size) with welded fixing lugs or site glazed into existing fire resistant openings.
- Flashings are to be provided by the builder/owner.

Sealing Details

Internal Application	External Application
<p><u>Glass to Frame</u> Rubber seals are used on both joins.</p> <p><u>Frame to Wall</u> A combination of fire resistant acrylic and fire resistant flexi foam are used to create a fire proof seal around perimeter of the frame.</p>	<p><u>Glass to Frame</u> A combination of silicone and ceramic glazing tapes are used externally. This creates a weather proof seal. Rubber seals are then used on the internal join.</p> <p><u>Frame to Wall</u> A weather proof seal is created using a fire resistant acrylic sealant externally and a fire resistant flexi foam rod internally.</p>

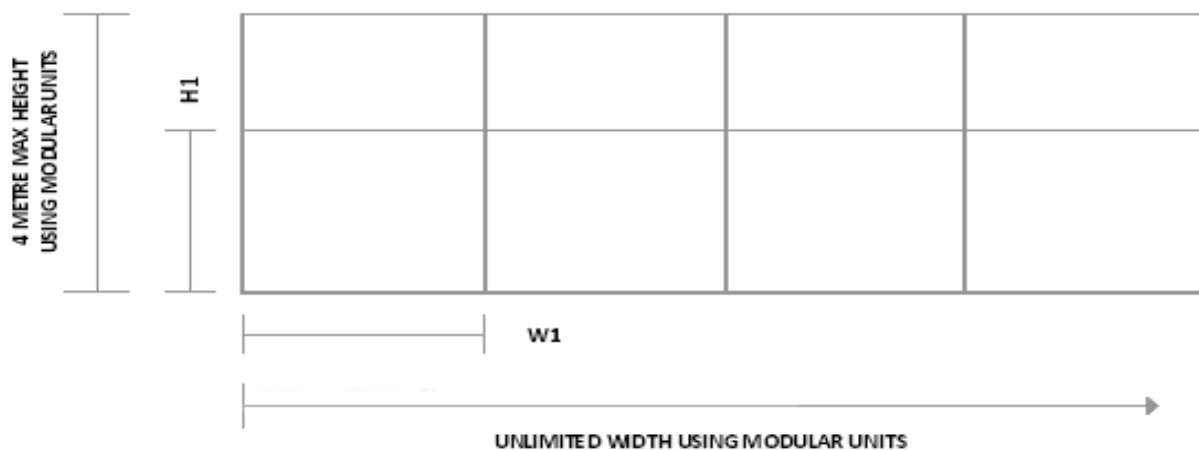
Fixing Details

Through Fixing



Lug Fixing

Maximum Overall Frame Sizes Single & Multi Pane Systems

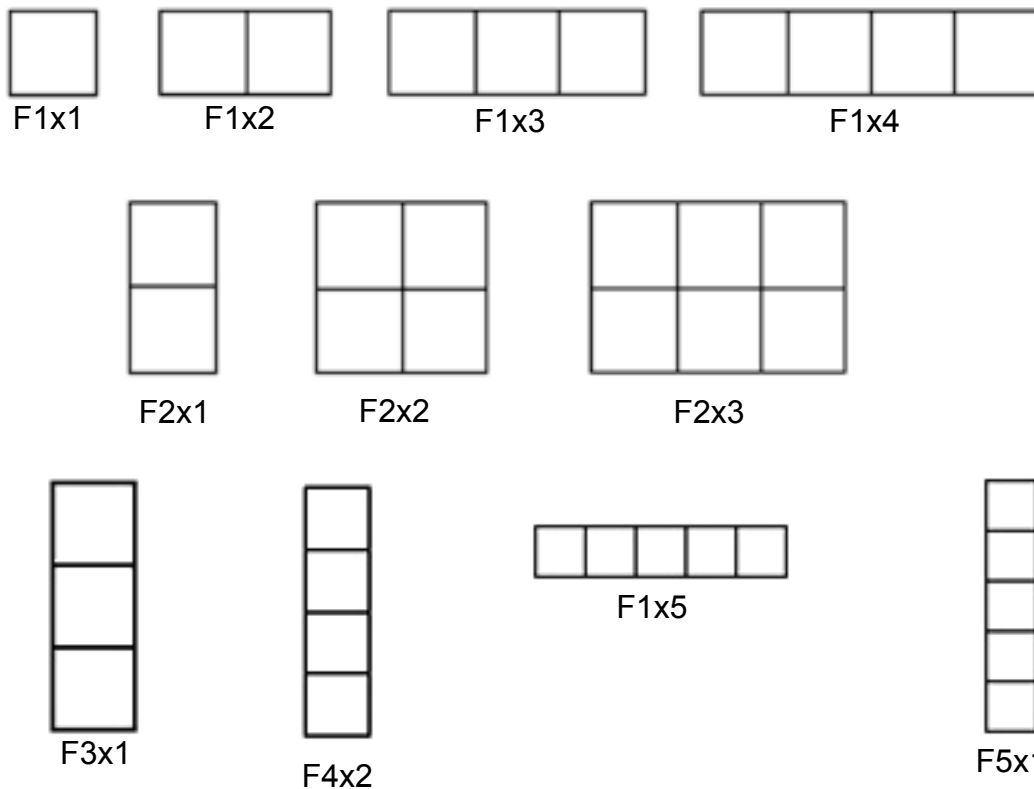


Maximum Sizes Based on Single Pane

	Single Pane		Multi Pane	
	Height	Width	Height	Width
5mm Ceramic -/60/- to -/180/-	2070	1120	2070	Unlimited
6mm Borosilicate TT -/60/- to -/120/-	2300	1400	2300	Unlimited

*Large scale window configurations may be subject to maximum size limitations. In most cases a modular configuration may be offered to achieve the desired measurements.

Standard Configurations & Codes



*Terms: 1. Nilfire reserves the right to add to, delete, or vary the contents of this document at any time without notification to you. Please check online for the most up to date version of this document.
www.nilfire.com.au

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