



Icon Integrity Range

STEEL WINDOWS

Description

Icon range specifies steel framed windows with clear fire resistant glass. We offer a selection of standard sizes and configurations to provide a competitive price and lead time for you. Custom configurations and sizes can be accommodated if requested.

Fire Resistant Level (FRL)

One hour up to two hour (-/60/- to -/120/-) Fire Resistant Level – Integrity Only.

Compliance

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

Application

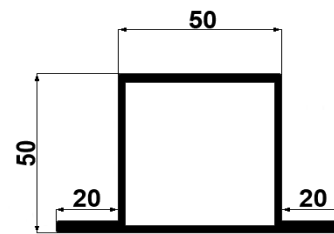
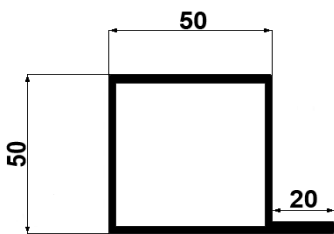
Typical applications are fixed fire resistant glazed windows in residential houses as well as commercial and public buildings that require fire protection to openings in fire resistant walls that are closer to boundary lines than prescribed in the Building Code of Australia.

Frame Profiles (Fixed Only)

Standard Profile 5050

Our Icon standard profile consists of a 50mm x 50mm hollow steel frame section. Dimensions of this profile are illustrated below.

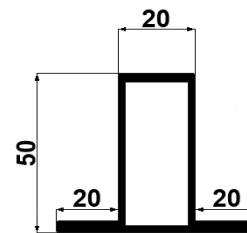
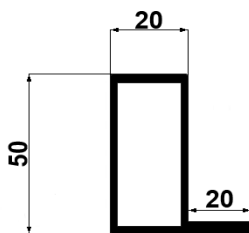
Fixed



Low Profile 5020

Our Icon low profile consists of a 50mm x 20mm hollow steel frame section. Dimensions of this profile are illustrated below.

Fixed



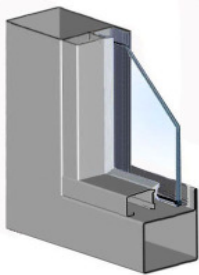
Glazing

We offer a variety of fixed configurations selected from our standard configuration sheet or customised to suit your specific needs. Our standard range of configurations varies from single to multiple panes of various heights and widths.

Glass Options

5mm Ceramic

Clear fire resistant glass cut to size.



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.

13mm Laminate

Clear fire resistant glass laminated with clear gel interlayers.



23mm Double Glazed Units

Clear fire resistant and solar efficient 23mm thick double glazed units.

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 colours selected from 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

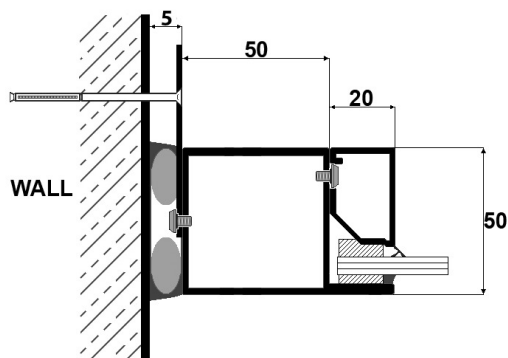
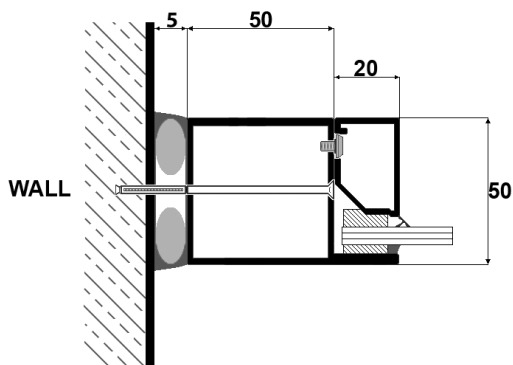
- Wall opening must be fire rated with an equal or greater FRL. Examples include; steel stud walls, gypsum block walls, plasterboard and aerated concrete block.
- Wall opening must provide for a 5mm to 10mm clearance around the manufactured frame sizes.
- They can be provided pre-glazed (depending on size) with welded fixing lugs or site glazed into existing fire resistant openings.
- Flashings are to be provided by the builder/owner.

Sealing Details

- Glass to frame seal -** A combination of silicone and glazing tape are used on the external join of the unit. This arrangement creates a weather proof seal. Rubber seals are then used on the internal join.
- Frame to wall seal -** A combination of silicone, fire resistant acrylic and fire resistant flexi foam are used to create a fire and weather proof seal around the frame.

Fixings

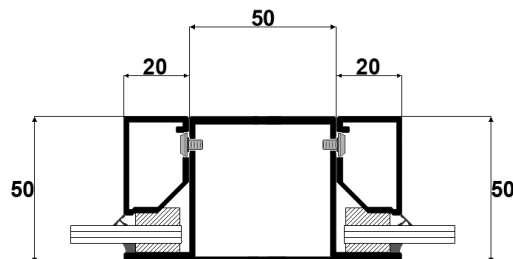
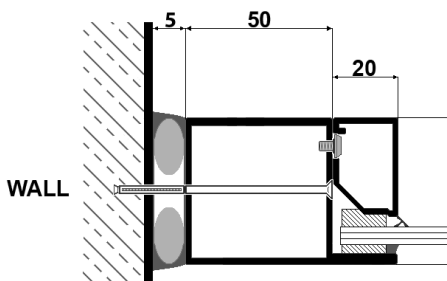
Through Fixing



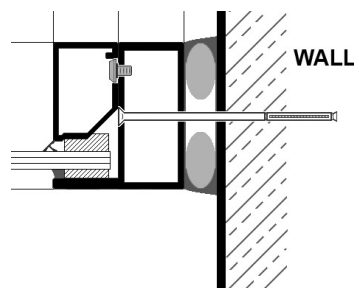
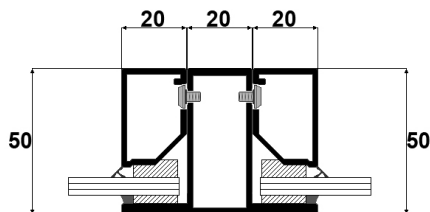
Section Drawings

Fixed Sections

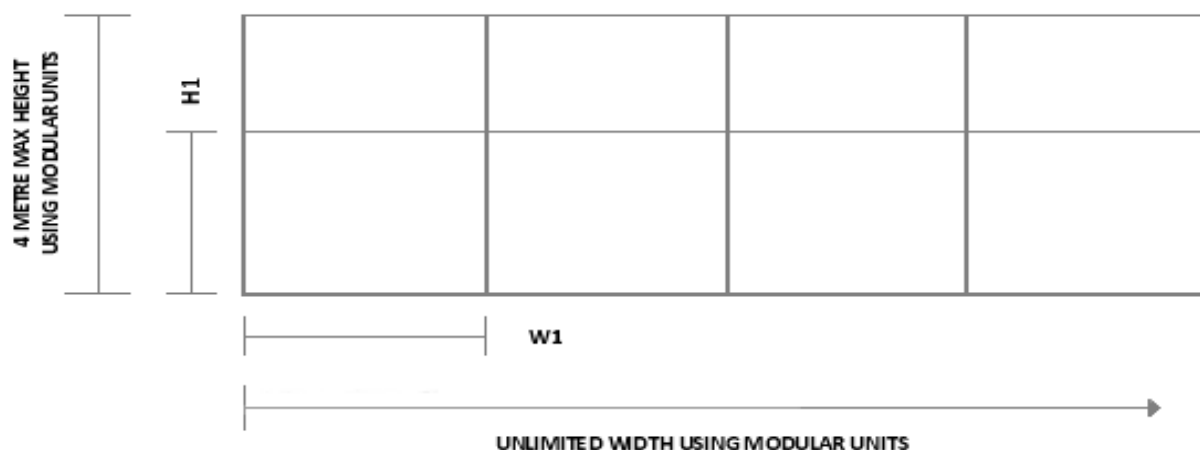
Typical Standard
Perimeter/Mullion
Section



Typical Low Profile
Perimeter/Mullion
Section



Maximum Overall Frame Sizes Single & Multi Pane



Maximum Sizes Based on Single Pane

	Profile 5050		Profile 5020		Modular Units	
	Height	Width	Height	Width	Height	Width
5mm Ceramic	2070	1216	2010	1156	4000	1216 x Unlimited
6mm Borosilicate TT	2610	1350	2360	1310	4000	1350 x Unlimited
13mm Laminated	3000	1200	2940	1140	4000	1200 x Unlimited
23mm Double Glazed Units	3000	1200	N/A	N/A	4000	1200 x 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



F1x1



F1x2



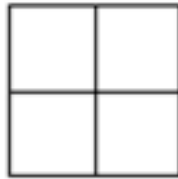
F1x3



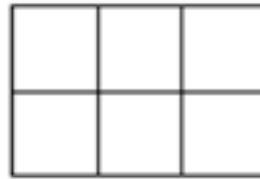
F1x4



F2x1



F2x2



F2x3



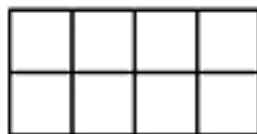
F3x1



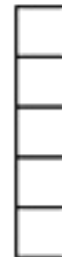
F4x2



F1x5



F2x4



F5x1

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