

steel
window
design.



Specifier's Guide

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About Steel Window Design

Steel Window Design is the leading manufacturer of steel windows and doors in Australia.

Our commitment to quality, craftsmanship and service has allowed us to work across multiple residential and commercial projects in Australia. Whether you're an architect, interior designer, builder or home owner; we can help create a solution that's right for you.

AGWA Member

As an accredited and compliant member of the Australian Glass and Window Association, our steel windows and doors are tested to meet strict Australian standards. Our membership is testament to our commitment to uphold the highest quality and service standards in the industry.



AUSTRALIAN
**GLASS &
WINDOW**
ASSOCIATION
M E M B E R



Timeless elegance and endless possibilities.

Steel windows and doors are becoming increasingly popular in Australia due to their durability, strength, and designs. This makes them an attractive choice for residential and commercial projects in Australia.

Steel windows and doors come in various designs, sizes, and configurations. This guide has been developed to assist specifiers in understanding the range of options available and enable them to select products that best suit the project's requirements in terms of design, functionality, and performance.





A sustainable choice for your next residential or commercial building project.

Durability

Steel windows are extremely durable and have a long lifespan. They are able to withstand harsh weather conditions, resist corrosion when correctly treated, and maintain structural integrity over time.

Recyclability

Steel is one of the most recyclable materials in the world. Steel windows and doors can be recycled at the end of their life cycle, ensuring that the material can be reused in the production of new steel products.

Energy Efficiency

Steel windows and doors can be fitted with energy-efficient glazing, helping to reduce energy consumption and meet strict energy guidelines.

Versatile Designs

Steel windows offer slim profiles and greater design flexibility, which can be adapted to various architectural styles. This versatility can lead to better design integration in sustainable architecture, and promote the use of natural light.

Premium Australian Made Steel Windows and Doors

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Custom made using Australian steel, our steel windows and doors are made in Melbourne and shipped Australia wide.



Profile	30x30mm creating an elegant and timeless look	
Benefits	Super slim profile	
	Custom made designs	
	Internal and external use	
	Made in Australia using Australian steel	
	Tested to meet AS/NZS 4420.1	
	Can be powder coated in the full Dulux or Interpon colour ranges	
Product Availability	Up to BAL 40 achievable	
	Fixed windows	Barn doors
	Casement windows	Bifold doors
	Awning windows	Sliding doors
	Hinged single doors	Cavity sliding doors
	Hinged double doors	Arched window and door designs
	Pivot doors	
Applications	Residential	Internal
	Commercial	External
Warranty	10 years on our frames	
	2 years on hardware	
	*some conditions apply	



Profile Sections

View detailed drawings of our profiles on our website by scanning the QR code.





Performance Characteristics

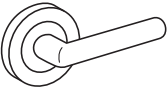
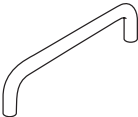
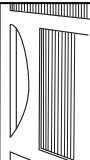
	Clear single glazing	Clear double glazing	Double Low-E glazing
Fixed window	U-Value - 5.7 SHGC - 0.76	U-Value - 3.0 SHGC - 0.71	U-Value - 2.1 SHGC - 0.56
Casement window	U-Value - 5.8 SHGC - 0.69	U-Value - 3.35 SHGC - 0.67	U-Value - 2.6 SHGC - 0.52
Awning window	U-Value - 6.1 SHGC - 0.70	U-Value - 3.5 SHGC - 0.67	U-Value - 2.6 SHGC - 0.52
Single hinged door	U-Value - 5.7 SHGC - 0.74	U-Value - 3.1 SHGC - 0.69	U-Value - 2.2 SHGC - 0.54
Double hinged door	U-Value - 5.7 SHGC - 0.74	U-Value - 3.1 SHGC - 0.70	U-Value - 2.2 SHGC - 0.55

*These figures are approx. and each design would need to be verified by Steel Window Design

Steel Window and Door Hardware

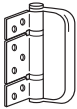
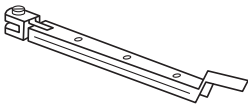
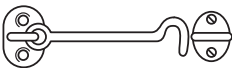
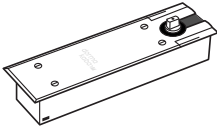
Great design isn't just beautiful, it's also functional. At Steel Window Design, we have hand-selected and manufactured a range of stylish and functional hardware to complement your custom made designs.

Handles

	Catalina CA-R10 handle (comes standard)
	D pull handle
	Recessed handle
	Welded pull handle
	Casement handle



Hardware

	Bi-fold handle
	Drop bolt
	Welded bullet hinge
	Awning peg stay
	Cabin hook
	Pivot door hardware Dorma FritsJurgens Lockwood

Glazing

We offer the following glazing options to suit a range of energy efficiency requirements.

- Single glazing
- Double glazing
- Low-E
- Pattern glass
- Audio Shield
- Narrow reeded
- Opaque
- Vacuum insulated double glazing

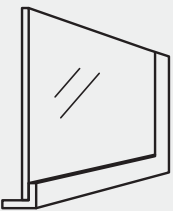
Certification

Glazing is certified in accordance with the following Australian standards:

- AS/NZS 2208:1996 safety glazing materials in buildings
- AS/NZS 4666:2012 insulation glass units

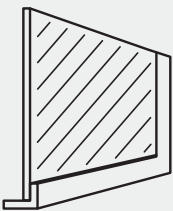


Examples of our most popular glazing options



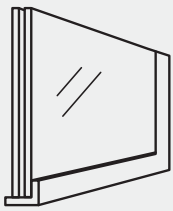
Single glazing

Used for internal windows and doors when the thermal quality is not as relevant.



Frosted/opaque glass

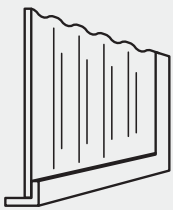
This option is often used for privacy.



Double glazing

A method used to improve thermal efficiency and reduce noise by separating two panes of glass with a spacer filled with Argon (gas) or air.

This is the most cost-effective option for achieving superior thermal performance.



Narrow reeded glass

Can be used for privacy or as an alternate look to clear glass.

Treatments and Finishes

Our steel windows and doors are sandblasted and double powder coated. We are proud to use an accredited Dulux Powder Coater, providing a Dulux ‘Steel Shield Warranty’ and the full Dulux colour range.

Each window and door frame goes through a process of being baked, sandblasted, and has an application of 99% zinc rich primer and a coloured powder topcoat. For wet areas, an additional coloured powder topcoat is applied.

View the brochure



Recommended Sizes

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Fixed window	H - 3000 W - 2400
Side hung casement window (Operable section)	H - 2700 W - 1000
Awning window (Operable section)	H - 1800 W - 1200
Single hinged door	H - 2700 W - 1000 (per panel)
Double hinged door	H - 2700 W - 1000 (per panel)
Bi-fold door	H - 2700 W - 1000 (per panel)
Sliding door	H - 3000 W - 1800 (per panel)
Barn style door	H - 3000 W - 1800

These are a guide only, all steel windows and doors are custom manufactured to suit client specifications. This can include sizes exceeding the above recommendations. Applies to both internal and external.

Installation Guide
Glazing Guide



Warranty Documentation

At Steel Window Design we offer a 10-year warranty on all our frames and a 2-year warranty on hardware, some conditions apply.





steel window design.

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