



Designed around you.



**ALUMINIUM CLAD WOOD WINDOWS
FEATURING:
ENERGY-EFFICIENT WATER-TIGHT INNOVATIVE
TECHNOLOGY WITH CONTEMPORARY SLIM PROFILES**

Innovative Technology Creating the Most Energy-Efficient Water-Tight Windows with Contemporary Slim Profiles

The innovative **Energy-Efficient Water-Tight Contemporary Window Range** from Signature is designed to achieve the highest energy efficiency, water-tightness rating (71% better than the minimum recommended standard) and thermal insulation performance in the industry today. This state-of-the-art sustainable system offers the most cost-effective near passive energy-efficient windows solution to your low-energy building project.

This system features traditional Scandinavian window design combined with modern shapes, faultless functionality and superior quality.

Window operation



FIXED



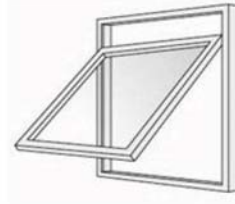
CASEMENT



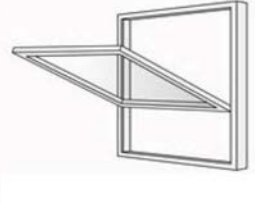
SIDE-GUIDED



COMBINED



TOP-GUIDED



TOP-SWING

Materials matter

Unique to Signature Windows is the addition of an innovative thermal break polymer that improves air-tightness and water-tightness (water cannot touch/rest or lodge between wood and clad) to reach near passive U-values.

The combination of wood and aluminium provides a hybrid material allowing for new engineering solutions in the design and construction of buildings. Signature Windows offers an array of wood types including pine as standard, mahogany, oak, and others.

Wood is the most traditional building material in the history of mankind with its unrivalled properties: ecology and renewability; outstanding thermal and noise insulation; creating an interior feeling that is warm and welcoming.

Aluminium is 100% recyclable, exceptionally resistant to weather impact and a convenient material for architects to develop superior design and long life-span windows.

Finish, Fitting and Hardware

The low-maintenance aluminium cladding exterior is available in more than 200 RAL colours, while the wood interior is painted in any RAL colour of your choice. Bare wood interiors are also available with lacquer coating to preserve the natural look of the wood. The water-based paints used provide an ecological and environmentally friendly product.

- Standard handles are available in silver.
- Extra fittings for child safety and anti-burglar protection available.
- Internal and external window sills options available upon request in any colour.

01. Performance

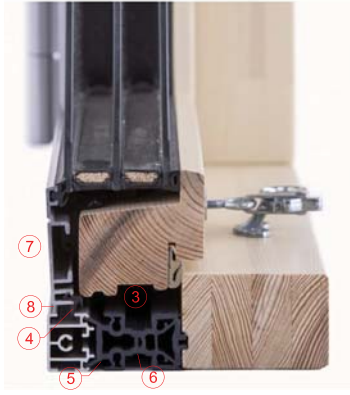
The innovative draining system of the Signature high-performance energy-efficient window contains a water resistant chamber that eliminates water sitting on or getting near the wood parts. The interior wood is detached from the aluminium exterior by a thermal break polymer that provides excellent U-values, water-tightness and protection.

02. Appearance

Unlike typical windows, the Signature Windows contemporary range offers very slim profiles and fine lines, which maximises the amount of natural light and provides with a sleek modern appearance. The tight gap between sash and frames gives the window a more refined look and enhances its performance.

03. Cost-Effectiveness

The Signature Energy-Efficient Aluminium Clad Wood Window Range achieves Near Passive Standards at great value, reaching thermal and air-tightness performance that helps reduce energy bills.

<u>STANDARD WINDOW</u>		<u>SIGNATURE WINDOW Contemporary Range</u>	
			
CILL SECTION		CILL SECTION	
1.	Standard Window Double glaze typically 1.4/1.5 U-value	1.	Signature Window-Contemporary Range Double glaze typically 1.1/1.2 U value
2.	Triple glaze typically 1.1/1.2 U value	2.	Triple glaze typically 0.8/0.9 U value
3.	Driving rain may touch or sit on wood leading to decay	3.	Water cannot touch/rest or lodge between wood and clad.
4.	Recommended minimum water tightness standard 700Pa	4.	Signature water-tightness is 1200Pa. 71% better than the minimum recommended standard.
5.	Are there evident drainage holes to allow water to exit	5.	Drainage holes in all units permit water to exit.
6.	Window does not have thermal break to aid U value	6.	Windows have a hi-tech innovative polymer thermal break, improving thermal performance by a minimum of 35%
7.	Typically bulky sash and frame appearance	7.	Contemporary Slim frames, flush sash fenestration, balanced appearance.
8.	Large gaps between sash and frame	8.	Narrow gap between the sash and the frame
<small>Note: All values quoted are under CE certification for windows and doors - EN-14351-1 : 2006</small>			



Features of Signature Window

- Double and Triple glazed insulated glass.
- Structures consist of wooden frame with composite material and aluminium clad.
- Suitable for residential and commercial applications with a broad range of functional, architectural and visual requirements.
- Accessories for trickle ventilation and child safety.
- Options of glazing type and thickness include for sound insulation, thermal insulation and tinted glass.

Signature Windows & Doors

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SIGNATURE WINDOWS & DOORS

Signature Windows is committed to offering our clients the highest performance window and door products available in the market today.

In order to provide the best value and confidence in energy-efficient and sustainable windows for our customers, we have established an exclusive partnership with an European company, which incorporates more than 40 highly professional enterprises. This ensures that customers have a choice of superior quality products, individual architectural styles and unlimited design capability.

Signature Windows & Doors supply products with international certificates, indicating the process control and final product quality, such as ISO 9001 - Quality Management System certificate (Bureau Veritas) and ISO 14001- Environment Management System certificate (Bureau Veritas). All products certified to CE mark standards.

Successful and dynamic long-term development of the company is based on qualified specialists, cutting-edge technologies and highly professional customer service. Our in-house design specialists and experienced installation team offer customised solutions to satisfy customer needs and ensure successful outcomes.

01 | Performance

Air-tightness
Water-tightness
Near Passive Standards

02 |

Appearance

Very slim frames
Refined lines
Modern look

03 |

Cost-Effectiveness

Maximum natural light
Thermal insulation
Reduced energy bills



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