

SlimLine 68

Window System



R

Reynaers
Aluminium

Together for better

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The SlimLine 68 window system has been designed to meet the demand for an outward-opening window with ultra slim frames.

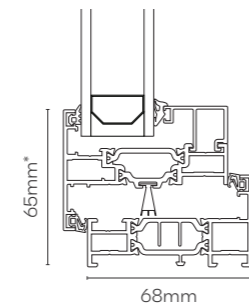
They are ideal for residential properties, where the glass area is maximised to let in lots of natural daylight. At just 65mm sash to frame width, SlimLine 68's clean lines provide a stylish yet practical solution for both contemporary and more traditional properties, mimicking the sight lines of original steel-framed windows. The frame depth of 68mm makes them perfect replacement windows to fit within the existing plaster lines.

Glazing can be from the inside or outside and is available in various thermal options. Also available as a full flush casement for a more traditional look

Find out more...

For full technical specifications:
call 0121 421 1999
email reynaersltd@reynaers.com
or visit reynaers.co.uk

Standard frame

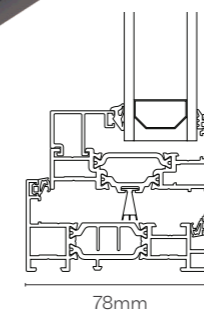


Available in a choice of standard or flush frames

- 1 Choice of glazing materials in single, double or triple skin
- 2 Weathertight gaskets
- 3 Vent
- 4 Many frame colour options
- 5 Thermal break

* Slim frame intermediate and large frames also available

Flush frame



Bespoke windows to meet individual requirements

Reynaers windows and doors offer many design possibilities, including the colour of the frame and handle.

- Make a statement with the huge range of design options
- Wide choice of colour options for both inside and out
- Optional trickle vents
- Choice of handle designs



Minimises unwanted noise

The standard SlimLine 68 window is designed to help eliminate unwanted noise. The system is flexible enough to incorporate acoustic glazing up to 43mm thick, which makes a huge difference if you live near a busy road, a railway or an airport.



Tried and tested

The SlimLine 68 window was designed by the highly experienced team of engineers at Reynaers in a purpose-built, world-class design and testing facility. As with all Reynaers products, this window has been put through the most stringent test regime, ensuring that it is one of the highest-performing and most reliable window systems available.

- Premium quality materials
- Highest levels of performance
- Industry-leading weather resistance



Excellent thermal performance

The SlimLine 68 offers industry-leading insulation values without compromising on the appearance of the window. The result is a window that will keep heat loss through the window to a minimum, withstand the worst that the British weather has to throw at it, and will help reduce energy bills.

- Double and triple glazed options
- Unique thermal insulation profiles
- U-value as low as 1.0 W/m²K
- Window energy rating up to A++



Safe and secure

Designed and tested to the most stringent security standards, the SlimLine 68 has been awarded the Secured by Design accreditation, providing complete peace of mind to the homeowner

- One of the most secure windows available
- PAS24 and Secured by Design accreditation
- Enhanced security with hinge-side security brackets
- Multi-point locking mechanism
- Lockable handles

Technical specifications

Maximum vent height (mm)	Side hung	1500
	Top hung	1470
Maximum vent width (mm)	Side hung	738
	Top hung	1300
Maximum vent weight (kg)	Side hung	40
	Top hung	50
Minimum visible widths (mm) (outward opening window)	Frame	15
	Vent	50
Overall system depths (mm)	Frame	68
	Vent	68
Minimum visible with T-profile (mm)		50
Rebate height (mm)		18
Glass thickness (mm)		26 to 43
Glazing method		Dry glazing with EPDM or neutral silicones
Thermal insulation		Omega-shaped fibreglass reinforced polyamide strips (32 mm)
High insulation variant (HI)		Available

Performance data

Thermal Insulation ¹ EN ISO 10077-2	Uf-value down to 2.5W/m ² K depending on the frame/vent combination and the glass thickness. Uw ≥ 1.56W/m ² K for a standard window section ²
U-value – triple glazed	Uw ≥ 1.1W/m ² K based on windows size and configuration as per BS EN 14351 ²
U-value – double glazed	Uw ≥ 1.4W/m ² K based on windows size and configuration as per BS EN 14351 ²
Window energy rating – triple-glazed	A++
Window energy rating – double-glazed	A
Acoustic performance ³ EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 36 (-1; -5) dB / 47 (-2; -7) dB, depending on glazing type
Air tightness, max. test pressure ⁴ EN 1026; EN 12207	600Pa (Class 4)
Water tightness ⁵ EN 1027; EN 12208	600Pa (9A) / >1050PA (E1050)
Wind load resistance, max. test pressure ⁶ EN 12211; EN 12210	2400Pa (E2400)
Wind load resistance to frame deflection ⁶ EN 12211; EN 12210	C (≤1/3000)
Burglar resistance ⁷	PAS 24 and Secured by Design

Notes

This table shows possible classes and values of performances. The values indicated in red are the ones relevant to this system.

¹ The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.

² Window dimension 1.23m x 1.48m. DGU Ug=1.0W/m²K, TGU Ug=0.7W/m²K.

³ The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.

⁴ The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.

⁵ The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.

⁶ The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.

⁷ The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools. This variant requires specific burglar resistance accessories.



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