SlimLine 68

Outward Opening Window System

Fabricator: Grabex

SlimLine 68 is designed to meet the demand for an outward-opening window with ultra-slim frames.

Ideal for residential applications, where the glass area is maximised to let in 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.

- Standard or flush frames
- Wide choice of colours
- Achieve U-values as low as 1.1W/m^{2}K
- Quick and easy to fabricate and install

Secured by Design

Police Preferred Specification

Reynaers Aluminium

With 50 years of global product development, 7 testing centres worldwide and products that are easy to fabricate and install, you can be reassured with Reynaers Aluminium.

Together for better

reynaers.co.uk

The SlimLine 68 window system range 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. 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.

A range of frame and vent options are available to suit the desired look and feel of the property. The frame depth of 68mm makes them perfect replacement windows to fit within the existing plaster lines.

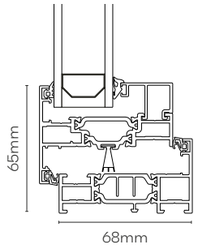
Glazing can be from the inside or outside and is available in various thermal options. Also available as a full flush casement for a more traditional look.

Find out more...

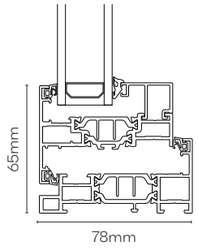
For full technical specifications:
call 0121 421 1999
email reynaersltd@reynaers.com
or visit reynaers.co.uk

1 Choice of glazing materials in double or triple glazed
2 Weathertight gaskets
3 Vent
4 Many frame colour options
5 Thermal break
6 Thermal gasket

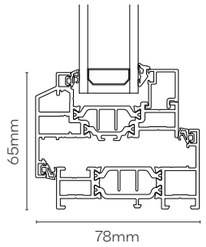
Standard Frame



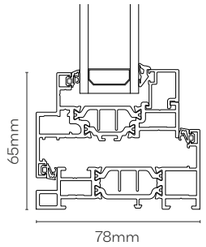
Flush Frame



Classic Vent



Ferro Vent



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

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 (standard vent), 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 1.1W/m^2K
- Window energy rating up to A (double glazing)

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

SlimLine 68 frame options

Standard Frame

Flush Frame

Reverse Rebate Profile

Flush Transom/Mullion Profile

Secured by Design

Police Preferred Specification

SlimLine 68 frame options

Heritage Slim Outer Frame

Standard Slim Outer Frame

Images: Fabricator Grabex. Also features ConceptPatio 130

SlimLine 68 Heritage

Classic Profile

Ferro with Flush Outer Frame

Technical specifications

Maximum vent height (mm) (to be read in conjunction with max. width and max. weight)	Side hung	1500
	Top hung	1470
Maximum vent width (mm) (to be read in conjunction with max. height and max. weight)	Side hung	738
	Top hung	1300
Maximum vent weight (kg) (to be read in conjunction with max. height and max. width)	Side hung	40
	Top hung	50
Minimum visible widths (mm) (outward opening window)	Frame + Vent	65
Overall system depths (mm)	Frame	68
	Vent	68
Minimum visible width T-profile (mm)		56
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 EN ISO 10077-2	Uw ≥ 1.1W/m²K with TGU Uw ≥ 1.4W/m²K with DGU
U-value – triple glazed	Uw ≥ 1.1W/m²K based on windows size and configuration as per BS EN 14351[1]
U-value – double glazed	Uw ≥ 1.4W/m²K based on windows size and configuration as per BS EN 14351[1]
Window energy rating – double-glazed	A
Acoustic performance[2] 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[3] EN 1026; EN 12207	600Pa (Class 4)
Water tightness[4] EN 1027; EN 12208	600Pa (9A) / >1050PA (E1050)
Wind load resistance, max. test pressure[5] EN 12211; EN 12210	2400Pa (E2400)
Wind load resistance to frame deflection[5] EN 12211; EN 12210	C (s1/3000)
Burglar resistance[6]	PAS 24 and Secured by Design

Double Casement

Maximum vent (mm) (not including T profile)	730 x 1370
Maximum opened dimension (mm)	1420 x 1050 (dependent on friction stays)
Air tightness, max. test pressure[3] EN 1026; EN 12207	Class 4
Water tightness[4] EN 1027; EN 12208	Class 9A E600
Wind load resistance to frame deflection[5] EN 12211; EN 12210	C4
Burglar resistance[6]	PAS 24: 2016

Notes
This table shows possible performance classes and values and is a guide only.
To obtain exact performance values for your chosen system configuration please contact a member of our Technical Team.

[1] Window dimension 1.23m x 1.48m. DGU Ug=1.0W/m²K, TGU Ug=0.7W/m²K.
[2] The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.
[3] The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
[4] The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.
[5] 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.
[6] 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.

Reynaers Aluminium

111 Hollymoor Way, Northfield,
Birmingham B31 5HE

T 0121 421 1999
E reynaersltd@reynaers.com

reynaers.co.uk