

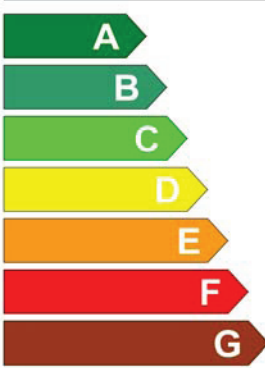


A Rated Specification

The **Hilltop** Rated sash window includes new innovative parts (convection enhancers) which improve the thermal properties of the frame and sashes. Thermal imaging of our sliding sash shows cold areas, these appear in all windows and are caused by the convection of cold air. The new thermally efficient convection enhancers stop this convection by 'breaking up' the sections that cause the cold areas into smaller parts thus inhibiting the cold flow.

The **Hilltop** A Rated sash window also includes a slimmer bottom sash to increase the glass area which lowers the overall U-Value of the window to 1.4W/(m2.K). The increased glass area, coupled with opti-white glass also improves the solar gain factor – you now get more free heat and light from the sun.

A RATED - STANDARD FEATURES

- ✓ Certified Window Energy Rating Class 'A'
- ✓ Thermally efficient convection enhancers
- ✓ Slim-line bottom sash
- ✓ Full steel reinforcing in sashes
- ✓ Overall U-Value of 1.4W/(m2.K)
- ✓ High solar gain factor
- ✓ Unique sealing system
- ✓ Argon gas filled low-e 1.1 double glazing with opti-white glass externally
- ✓ Swiss 'V' warm edge spacer bars
- ✓ Available in all colours

Energy Window	
Dungannon Window Company Ltd PVC U Vertical Sliding Window Eurosash – A Rating	
	
Energy Index (kWh/m ² /year) (Energy Index certified by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)	0
The climate zone is:	UK
Thermal Transmittance (U _{window})	1.4 W/m ² .K
Solar Factor (g _{window})	0.45
Effective Air Leakage (L _{factor})	0.01 W/m ² .K
	Reg. No.:1895 M224 www.bfrc.org
This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.	

B Rated Specification

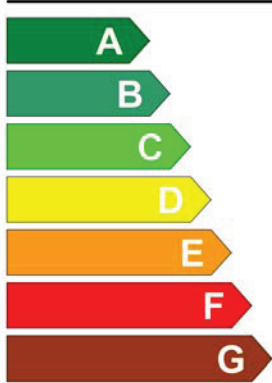

The **Hilltop** B Rated sash window includes an upgrade of the double glazing units used in the C rated window - 'opti-white' glass is used on the external pane of the double glazing. Opti-white glass is a specially developed float glass which displays none of the slight green tint apparent in most standard 'clear' glasses. Opti-white glass has superior performance when compared with conventional clear float products; this includes higher light transmission and greater solar heat transmittance, this increases the amount of light and heat (from the sun) that passes through the double glazing to your home.


B RATED - STANDARD FEATURES

- ✓ Certified Window Energy Rating Class 'B'
- ✓ Different sash widths for equal sightlines
- ✓ Full steel reinforcing in sashes
- ✓ Overall U-Value of 1.5W/(m².K)
- ✓ High solar gain factor
- ✓ Unique sealing system
- ✓ Argon gas filled low-e 1.1 double glazing with opti-white glass externally
- ✓ Swiss 'V' warm edge spacer bars
- ✓ Available in all colours

Energy Window

Dungannon Window Company Ltd
PVC U Vertical Sliding Window
Eurosash – B Rating

	
Energy Index (kWh/m ² /year) <small>(Energy Index certified by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)</small>	-9
The climate zone is:	UK
Thermal Transmittance (U _{window}) Solar Factor (g _{window}) Effective Air Leakage (L _{factor})	1.5 W/m ² .K 0.43 0.01 W/m ² .K



Reg. No.: 1556 M224
www.bfrc.org

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C Rated Specification

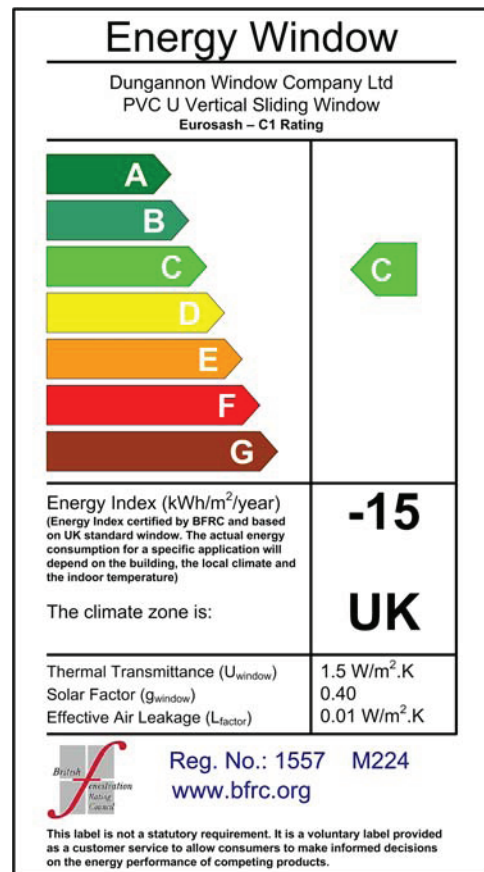
The current **Hilltop** C Rated sash window (energy index -15) is our second fully certified C rated window. The first certificate was for a class 'C' energy index -17, which used an air leakage test that was 6 years old. The inherent problem with sash windows to date was the air leakage (drafts), this is what we have improved on to achieve a better rating.

We designed a sealing system for our Sliding sash which includes several new parts (made by us exclusively for us), fitted them to a window and then submitted to a UKAS accredited laboratory for air leakage tests. The results were outstanding, the newly sealed window reduced Effective Air Leakage from $0.13 \text{ W/m}^2.\text{K}$ to **$0.01 \text{ W/m}^2.\text{K}$ - over 10 times better.**

Sliding sash C Rated includes 'elite' low-e 1.1 U-value double glazing units which are argon gas filled and coupled with thermally efficient Swiss 'V' warm edge spacer bars. Swiss 'V' spacer bars have superior isolation characteristics so higher temperatures are maintained around the internal perimeter of the glass units - significantly reducing the risk of condensation forming.

C RATED - STANDARD FEATURES

- ✓ Certified Window Energy Rating Class 'C'
- ✓ Different sash widths for equal sightlines
- ✓ Full steel reinforcing in sashes
- ✓ Overall U-Value of $1.5 \text{ W}/(\text{m}^2.\text{K})$
- ✓ Unique sealing system
- ✓ Argon gas filled low-e 1.1 double glazing
- ✓ Swiss 'V' warm edge spacer bars
- ✓ Available in all colours



TRIPLE A Rated +8 Specification

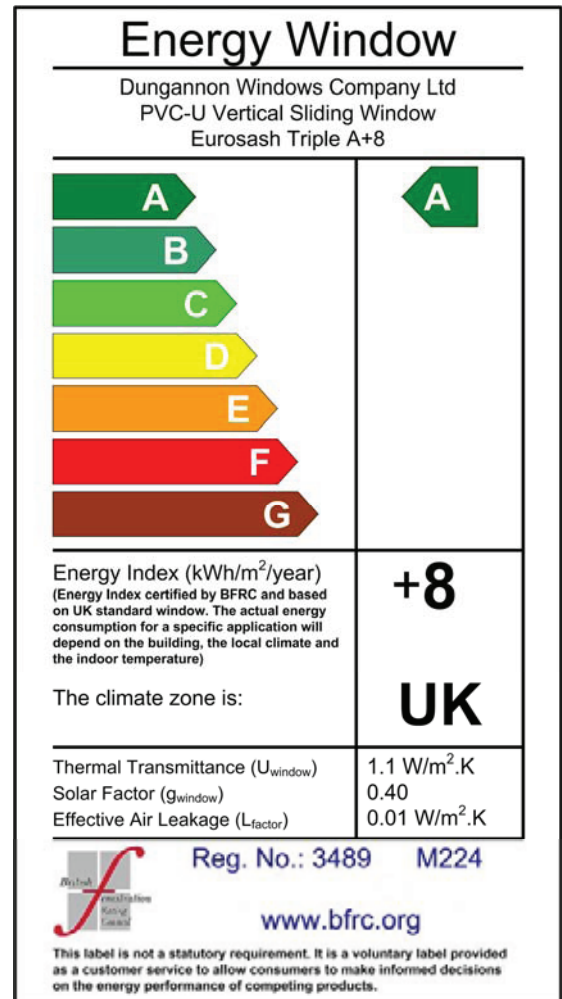
The **Hilltop** Triple A+8 Rated sash window uses 'Elite-SE' 28mm triple glazing which has a centre pane **U-Value of 0.7W/(m2.K)**. The unit comprises of two panes of Low-E glass, one pane of low iron glass, two warm edge spacer bars and **krypton gas** filled cavities.

Full steel reinforcing is used in the sashes along with new and innovative parts (convection enhancers) which improve the thermal properties of the window.

The **Hilltop** Triple A+8 Rated sash window also includes a slimmer bottom sash which increases the glass area and lowers the **overall U-Value of the window to 1.1W/(m2.K)**.

TRIPLE A+8 RATED - STANDARD FEATURES

- ✓ Certified Window Energy Rating Class 'A' +8
- ✓ 'Elite-SE' Triple glazing u-value 0.7W/(m2.K)
- ✓ 2 Low-E 1.1 panes with opti-white glass externally
- ✓ 2 Swiss 'V' warm edge spacer bars
- ✓ Krypton gas filled cavities
- ✓ Thermally efficient convection enhancers
- ✓ Slim-line bottom sash
- ✓ Full steel reinforcing in sashes for strength
- ✓ Overall U-Value of 1.1W/(m2.K)
- ✓ High solar gain factor
- ✓ Unique sealing system
- ✓ Available in all colours



To view our full range of energy rating certificates –