



Thermalogik - The logical choice for business growth

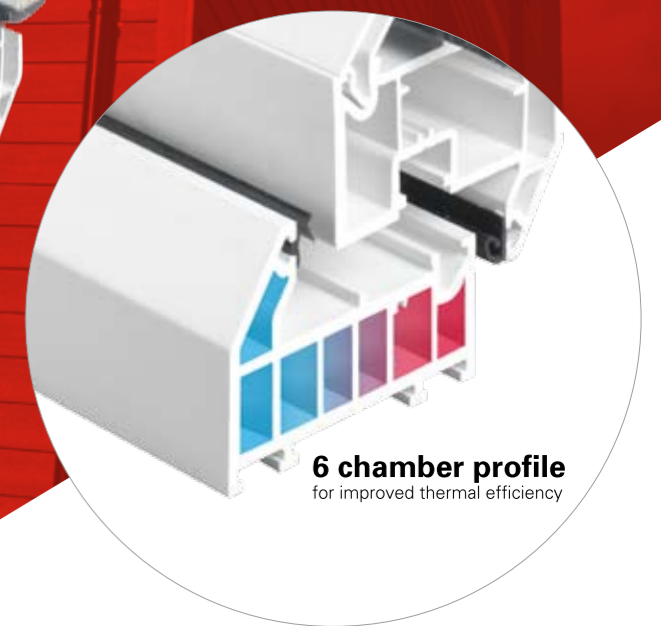
When exceptional energy efficiency comes at this price – can you afford not to choose the Thermalogik window profile system for every project?

Call our customer service team today on **0800 988 3047** to find out more
Or visit www.eurocell.co.uk/thermalogik



the **complete** solution

**If you're looking
for a better-value
A-rated window
profile system -
save your energy**



Eurocell Thermalogik

Outstanding thermal efficiency, superior aesthetics, exceptional value



Introducing Thermalogik

Outstanding thermal efficiency, superior aesthetics and exceptional value



Why pay a premium for your energy-efficient window profile system?

Delivering superior energy efficiency has never been more important for the construction industry and homeowners. It's an alarming fact that our homes and buildings are responsible for almost half of the UK's carbon dioxide emissions.

Windows have an important role to play in combating energy wastage, since 20% of the heat escaping from an average home is lost through its windows*.

Carbon-cutting incentives

To encourage builders and homeowners to improve the energy efficiency of their dwellings, the Government has introduced a raft of initiatives. New Home Improvement Packs (HIPS) require anyone selling their home to provide a report on the property's energy efficiency, while stricter Building Regulations and the introduction of the Code for Sustainable Homes are putting pressure on the construction industry to ensure energy efficiency gets top priority in any new build.

The green option you can afford

Now Eurocell has developed Thermalogik, an advanced window profile system that helps builders and homeowners to meet their environmental objectives – without having to pay a premium for going green.

A-rated performance

Without A-rated profile costs

Unique design for superior thermal performance

Eurocell is dedicated to helping our customers meet their environmental objectives. That's why we have created an advanced new PVC-u window profile system that offers unbeatable thermal efficiency.

With its unique six-chamber design, our Thermalogik system has achieved an 'A' rating in the British Fenestration Rating Council's (BFRC) certification scheme. That's the highest possible rating – assuring you of the highest levels of energy efficiency.

Enhanced aesthetics for a brighter outlook...

Not only does the Thermalogik profile system perform better than standard 70mm window profiles, it looks better too. Slimmer than standard systems, Thermalogik gives any window a sleek, contemporary appearance, increasing the area of glass for improved sight lines and brighter interiors – ideal for conservatories and bay windows. Available in our sculptured Ovolo or contemporary Chamfered styles and a range of colours and woodgrain finishes, there's a Thermalogik profile to suit every project.

... at no extra cost

What makes this high-performance window profile system so special is that it costs no more than standard 70mm systems. This is because our unique six-chamber outer frame system is a single-piece profile. Separate reinforcing extrusions are simply not required. So now there's no cost barrier to installing the highest energy efficiency-rated profiles – every time.

Exceed your eco-objectives

Choosing Thermalogik window profiles will enable you to exceed the thermal efficiency requirements of the Building Regulations by 35%*. For new homes, it will help you to achieve your targets under the Code for Sustainable Homes.



Energy Window	
Nationwide Windows (UK) Ltd. Internally Glazed PVC-U Nationwide Energy Efficient Casement Window 'A'	
	A
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>	2
The climate zone is:	UK
Thermal Transmittance (U _{window})	1.6 W/m ² .K
Solar Factor (g _{window})	0.50 W/m ² .K
Effective Air Leakage (L _{factor})	0.00 W/m ² .K
	Reg. No.: 585 www.bfrc.org
<small>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.</small>	

BFRC Energy Rating certificate achieved using Nationwide Windows (UK Ltd) A-rated window **



Eurocell profiles carry full BBA accreditation, enabling you to specify with confidence.

Certificate numbers 2663 (ovolo) and 2480 (chamfered)

** Accreditations apply to Thermalogik profiles used in Nationwide Windows (UK) Ltd A-rated window.

Great Thermal Properties

Thermalogik's 6 chamber design helps prevent warmth leaving a property

New! Slimmer Profile

Eurocell Eurologik

Thermalogik

* Source: Energy Saving Trust.



Thermalogik - The logical choice for business growth

6 Thermalogik benefits at a glance

- 1** Unique six-chamber profile for improved thermal efficiency and reduced energy costs.
- 2** 'A' rated for energy efficiency by the BFRC.
- 3** Costs no more than a standard profile system, thanks to our unique six-chamber system - providing unbeatable value for money.
- 4** Slim frames for enhanced aesthetics and improved sight lines.
- 5** Available in Ovolo or Chamfered styles and a range of colours and woodgrain finishes to suit every project.
- 6** British Board of Agrément (BBA) certified for quality assurance.



"By creating an energy-saving window profile system that looks better than the standard profile yet costs the same, Eurocell has made choosing the right window system very easy."

**John Whalley, Managing Director,
Nationwide Windows, Rugby**



Choose Eurocell - the UK's PVC-u specialists



As the UK's market-leading manufacturer and distributor of quality PVC-u profiles, Eurocell offers precision-manufactured products and a complete one-stop-shop service for new-build and replacement window projects.

Our products are supplied to thousands of window fabricators, installers and builders throughout the country. No matter where you are in the UK, we can deliver Thermalogik profile systems to you within 24 hours of your order.

- Unique colour-match promise – we are the only manufacturer to guarantee an exact colour match across our full range of window, door and roofline products.
- Guaranteed delivery within 24 hours, using our own transport fleet.
- Products specially designed for ease of fabrication and fitting - improving your productivity.
- Widest product range of any PVC-u systems supplier in the UK.
- Up to 20-year product guarantees assure you of high quality.
- ISO14001 environmental management system accreditation.
- Products manufactured from up to 100 per cent recycled material.
- Products are British Board of Agrément accredited.

A Guide To Window Energy Ratings

BFRC

What is it?

The British Fenestration Ratings Council Ltd (BFRC) is an independent organisation dedicated to improving the efficiency of fenestration products.

Energy Ratings

What are they?

BFRC Energy Ratings are a simple, clear and easily understood method of informing customers of the relative energy efficiency of a particular window. The windows are rated on an A to G scale, which is consistent with other products such as light bulbs and white goods.

How are they calculated?

The rating is determined by a formula which takes into account various factors:

- UK Standard Domestic Occupancy
- UK Climate Data
- Thermal Transmittance (Window U Value)
- Solar Factor (G Value)
- Air Leakage (L Value)

Each of the above factors has an effect on the overall energy performance of the window.

BFRC Labels

What do they tell you?

The labels are similar to those currently used on other household appliances, an A-rated window is the most efficient, with G the least efficient.

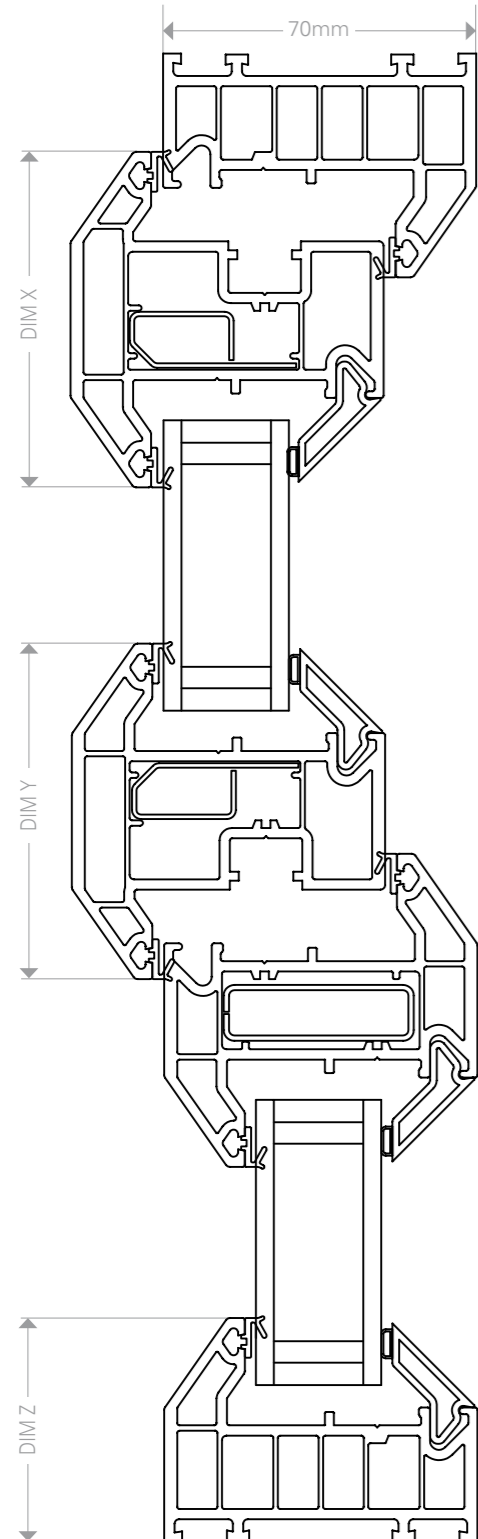


Thermalogik Window

Technical specifications

Casement Window

Outward opening, inward glazed vertical section



Frame / Dimension	Dimension X
Main Frame (EWS 7021) with Sash T (EWS7005)	97mm

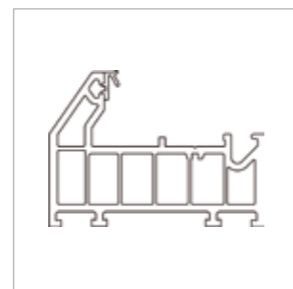
Frame / Dimension	Dimension Y
Sash T (EWS 7005) with Transom Z (EWS 7003)	117mm

Frame / Dimension	Dimension Z
Main Frame (EWS 7001)	50mm

Thermalogik Component List

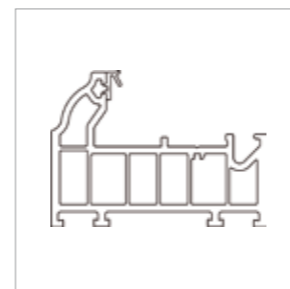
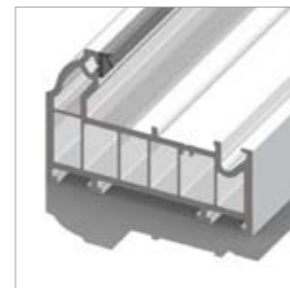
EWS7001

50mm chamfered mainframe



EWS7701

50mm ovolo mainframe



Achieving BFRC Energy Ratings

Specification options



Eurocell's Thermalogik profiles enable windows to be economically made that meet and exceed the requirements of the Code for Sustainable Homes. The table below shows how different energy ratings can be achieved by selecting different window components.

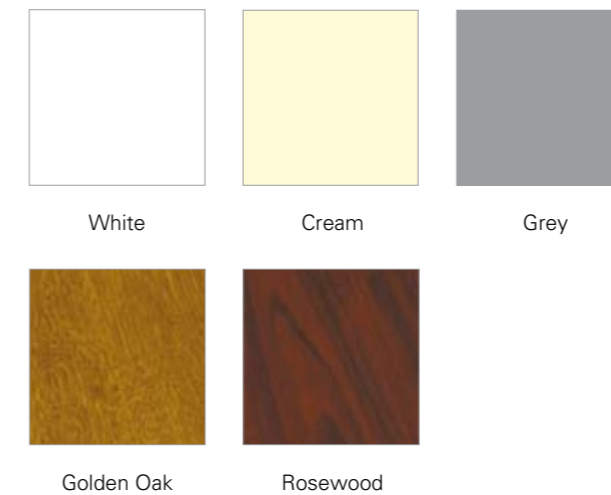
Achieving BFRC ratings using Thermalogik profiles

BFRC Rating	Energy Index	U Value	Config	Glass 1 (External)	Glass 2 (Internal)	Gas Fill	Spacer Bar	Reinforcing
A	4	1.4	4/20/4	SG Diamant	SG Planitherm Total 1.1	Argon	Super Spacer	Steel
	0	1.6	4/20/4	Pilkington Optiwhite	Pilkington K	Argon	Truseal Duralite	Steel
B	-10	1.5	4/20/4	SG Float	SG Planitherm Total 1.1	Air	Swiss Spacer	Steel
	-10	1.5	4/20/4	Guardian Float	Guardian Climaguard D	Argon	Super Spacer	Steel
C	-14	1.6	4/20/4	SG Float	SG Planitherm Total 1.1	Argon	Aluminium	Steel

U values as low as 1.0 are possible* using the Thermalogik system. The above figures are based on a 28mm double-glazed unit. Please note that all energy ratings using Saint Gobain Planitherm Total glass are subject to change. If you require further information, please contact our Technical Department on 01773 842100.

*Dependent on glazing configuration

Colour Options



Thermalogik is available in all stock colours, including White, Cream and Grey (RAL 7016), along with Rosewood and Golden Oak finishes. Special colours are also available on extended lead times.



Eurocell conservatory roof and window profiles in cream