



**Eurologik** - A unique profile system designed for enhanced aesthetics and ease of fabrication

Call our customer service team today on **0800 988 3047** to discuss your requirements in detail or visit **[www.eurocell.co.uk/eurologik](http://www.eurocell.co.uk/eurologik)**



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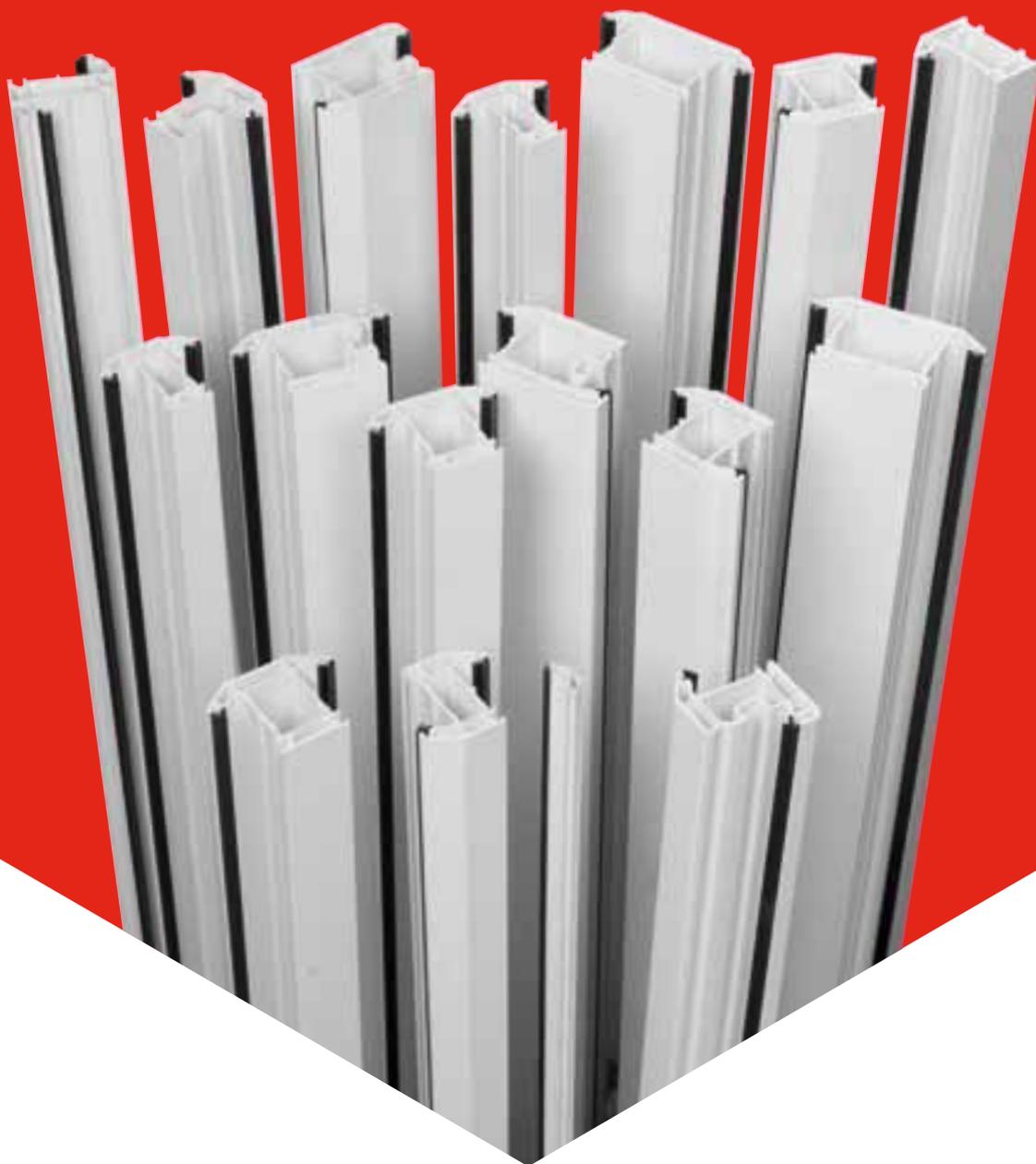
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LOGIKGUIDE/APR09/CTD



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**Discover the leading high-performance,  
user friendly window system**



**Eurologik** - from Eurocell

Advanced design for exceptional value



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## Eurocell Eurologik

A unique profile system designed for enhanced aesthetics and ease of fabrication

### Introducing Eurologik

The Eurocell Eurologik profile system combines leading energy efficiency performance and aesthetics with ease of use, for the ultimate system. Eurologik is specially designed for ease and speed of fabrication and fitting, featuring a unique, patented knock-in bead system. Ideally suited for new build or replacement windows, its 70mm front-to-back dimension enables the seamless replacement of timber frames.

Eurologik is designed for improved aesthetics and clean sight lines, with its unobtrusive gasket line and slim profile. The profile design features multiple chambers to enhance thermal efficiency and strength, and improve drainage. Available with chamfered or sculptured ovolo beads in a range of colours, Eurologik window profiles add a touch of distinction to any home.

### Leading energy efficiency

Maximising the thermal performance of windows is vital to meet rising regulatory and customer demands. The advanced multi-chambered design of the main Eurologik profiles and innovative PVC-u Thermal Inserts work together to lock in heat. This means our high performance British Fenestration Ratings Council (BFRC) 'A'-rated windows offer leading double-glazed unit performance and value.

### Exceptional air tightness and weathering performance

The post co-extruded (PCE) gaskets on Eurologik profiles use a specially developed compound and two-leg profile connection system with one-way support arm. This provides excellent adhesion to the main profiles. Tested to BS6375, the gasket system achieves outstanding air tightness and weathering performance, improving energy efficiency further by minimising air leakage.



# Advanced performance

Leading technical and sustainability performance for the complete solution

## The sustainable choice

Leading energy efficiency and air tightness performance for lower CO<sup>2</sup> emissions are only part of the Eurologik system's environmental sustainability credentials. PVC-u Thermal Inserts reinforcing use 100% recycled PVC-u and all components are manufactured to the ISO14001 environmental performance standard. Plus, Eurocell recycles virtually all of its waste product in the manufacturing process and has post-consumer PVC-u recycling facilities, for minimal impact on landfill waste sites.

## Why fabricate Eurologik?

- Independently certified by the BBA for peace of mind
- Single reinforcement for main frame and transoms
- Continuous reinforcement when reverse-butt welding
- Common glass sizes for internal / external glaze windows and doors
- Integral capillary groove on all inward opening frames
- Easy clean internal rebates, common throughout

## Why install Eurologik?

- Comprehensive range of ancillaries
- White, Cream, Grey, Rosewood and Golden Oak finishes available
- Separate chambers for improved drainage, thermal efficiency and strength
- Fully bevelled for a slim visual profile and clean sight lines
- System takes glazing from 28mm to 38mm
- 3mm nominal external wall thickness
- Eurocell Eurologik carries full BBA accreditation, enabling you to specify with confidence



Assessment report numbers  
2480 (Eurologik Chamfered)  
and 2663 (Eurologik Ovolo)

# Benefits of Eurologik

1



Full depth eurogroove for maximum hardware compatibility

2



Soft line bevel feature, common throughout the range of profiles, is matched by the bead

3



Single hinge and espagnollette location in sashes for ease of fabrication

4



The special compound PCE gasket offers market leading adhesion, air tightness and weathering performance

5



Unique patented knock-in bead system, available with 28mm and 38mm putty line and Ovolo beading options



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## System flexibility

A wide range of window and door styles possible



Casement Windows



Tilt and Turn Windows



Residential Doors



French Doors

### Eurologik Chamfered and Ovolo

Eurologik is available in the traditional Chamfered range and the fully sculptured Ovolo range, for your freedom of choice. A full range of window and door profiles is available for both suites.

### The Eurologik range

- Casement windows
- Tilt and Turn windows
- French windows
- Residential doors
- French doors
- Bi-fold doors

### Decorative options

- Ovolo bead
- Mock horn sashes
- Arched tops
- Georgian bar internal and external profiles
- Woodgrain options
- Coloured doors



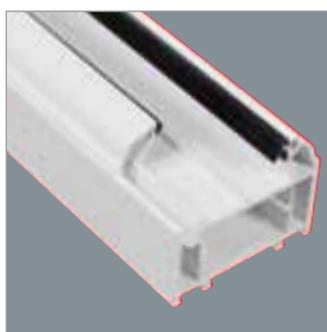
Fully sculptured Ovolo style

# Style with substance

A choice of design options and finishes to suit any property



Georgian Bar External Profile



Ovolo Bead



Mock Horn Sash



Arched Tops



Woodgrain Options

## Colour options

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



White



Cream



Grey



Golden Oak



Rosewood



Conservatory finished in Cream



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## A guide to Energy Ratings

### What is the BFRC?

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

### What are Energy Ratings?

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.

### What do BFRC labels 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.

A

B

C

# Maximum energy efficiency for minimum environmental impact

## Increasing demand for energy efficient windows

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\*.

To encourage builders and homeowners to improve the energy efficiency of their dwellings, the Government has introduced a raft of initiatives. 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 Code for Sustainable Homes and BREEAM environmental assessments are putting pressure on the construction industry to ensure energy efficiency gets top priority in any new build.

## The green option you can afford

Eurocell Eurologik helps builders and homeowners to meet their environmental objectives - without having to pay a premium for going green. Fitting Eurocell PVC-u Thermal Inserts in Eurologik profiles to boost the thermal efficiency of your windows provides better value than steel alternatives. And they are made from 100% recycled material.

Plus you can use the Thermalogik outer frame system - part of the Eurologik family - which enables you to exceed the thermal efficiency requirements of the Building Regulations by 35%\*.

\* Source: Energy Saving Trust.

# Achieving BFRC Energy Ratings

## Specification options

### Eurologik with PVC-u Thermal Inserts reinforcing performance table

System	Config	Glass 1 (External)	Glass 2 (Internal)	Gas Fill	Spacer Bar	Reinforcing	BFRC Rating	Energy Index	U Value
Eurologik 70	4/20/4	SG Diamant	SG Planitherm Total	Argon	Swisspacer V	PVC-u TI	<b>A</b>	4	1.3
Eurologik 70	4/20/4	SG Diamant	SG Planitherm Total	Argon	Superspacer	PVC-u TI		3	1.3
Eurologik 70	4/20/4	SG Float	SG Planitherm Total	Argon	Swisspacer V	PVC-u TI	<b>B</b>	-2	1.3
Eurologik 70	4/20/4	Pilkington Optifloat	Pilkington K	Argon	Superspacer	PVC-u TI		-9	1.5
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K	Argon	Aluminium	PVC-u TI	<b>C</b>	-15	1.8
Eurologik 70	4/20/4	SG Float	SG Planitherm Total	Argon	Aluminium	PVC-u TI		-14	1.4

**Energy Index performance** - the Energy Index is a ranking system for the amount of energy lost or gained by a window, measured in kwh/m<sup>2</sup>/year. Put simply, the more positive the number, the better the performance. You can see that PVC-u Thermal Inserts significantly improve Energy Index performance.

### Eurologik with steel reinforcing performance table

System	Config	Glass 1 (External)	Glass 2 (Internal)	Gas Fill	Spacer Bar	Reinforcing	BFRC Rating	Energy Index	U Value
Eurologik 70	4/20/4	SG Diamant	SG Planitherm Total	Argon	Swisspacer V	Steel	<b>A</b>	0	1.4
Eurologik 70	4/20/4	SG Diamant	SG Planitherm Total	Argon	Superspacer	Steel		0	1.4
Eurologik 70	4/20/4	SG Float	SG Planitherm Total	Argon	Swisspacer V	Steel	<b>B</b>	-6	1.4
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K	Argon	Superspacer	Steel		-7	1.6
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K	Argon	Aluminium	Steel	<b>C</b>	-18	1.8
Eurologik 70	4/20/4	SG Float	SG Planitherm Total	Argon	Aluminium	Steel		-18	1.6

### Thermalogik with PVC-u Thermal Inserts reinforcing performance table

System	Config	Glass 1 (External)	Glass 2 (Internal)	Gas Fill	Spacer Bar	Reinforcing	BFRC Rating	Energy Index	U Value
Thermalogik	4/20/4	SG Diamant	SG Planitherm Total	Argon	Swisspacer V	PVC-u TI	<b>A</b>	9	1.3
Thermalogik	4/20/4	SG Float	SG Planitherm Total	Argon	Swisspacer V	PVC-u TI		3	1.3
Thermalogik	4/20/4	SG Float	SG Planitherm Total	Argon	Aluminium	PVC-u TI	<b>B</b>	-10	1.5
Thermalogik	4/20/4	Pilkington Optifloat	Pilkington K	Argon	Superspacer	PVC-u TI		-6	1.6
Thermalogik	4/20/4	Pilkington Optifloat	Pilkington K	Argon	Superspacer	PVC-u TI	<b>C</b>	-18	1.7

U values as low as 0.8 are possible\* using the Thermalogik system. The above figures are based on a 28mm double-glazed unit. If you require further information, please contact our Technical Department on 01773 842100.

\*Dependent on glazing configuration



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# PVC-u Thermal Inserts

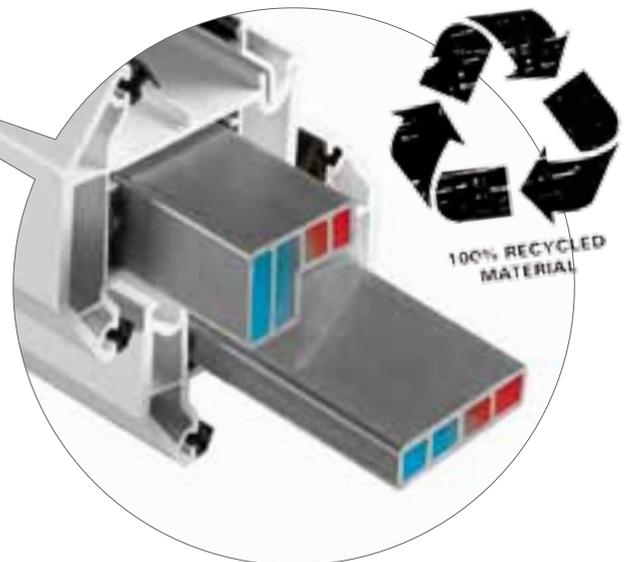
offer you more for less



## Benefits of PVC-u Thermal Inserts

PVC-u Thermal Inserts for Eurologik profiles are the sustainable way to improve your window energy efficiency. The multi-chambered design delivers significantly improved thermal performance, more efficient fabrication and 20% lighter weight than windows with conventional steel reinforcements.

Plus, PVC-u Thermal Inserts are manufactured using 100% recycled material. What's more, it means that the entire window frame is recyclable - making it quicker and simpler to re-use post-consumer windows.



### EWS800P

For use with EWS7001 and EWS7701



### EWS801P

For use with EWS7002, EWS7702, EWS7003 and EWS7703



### EWS805P

For use with EWS7005, EWS7705 and EWS7004



### EWS821P

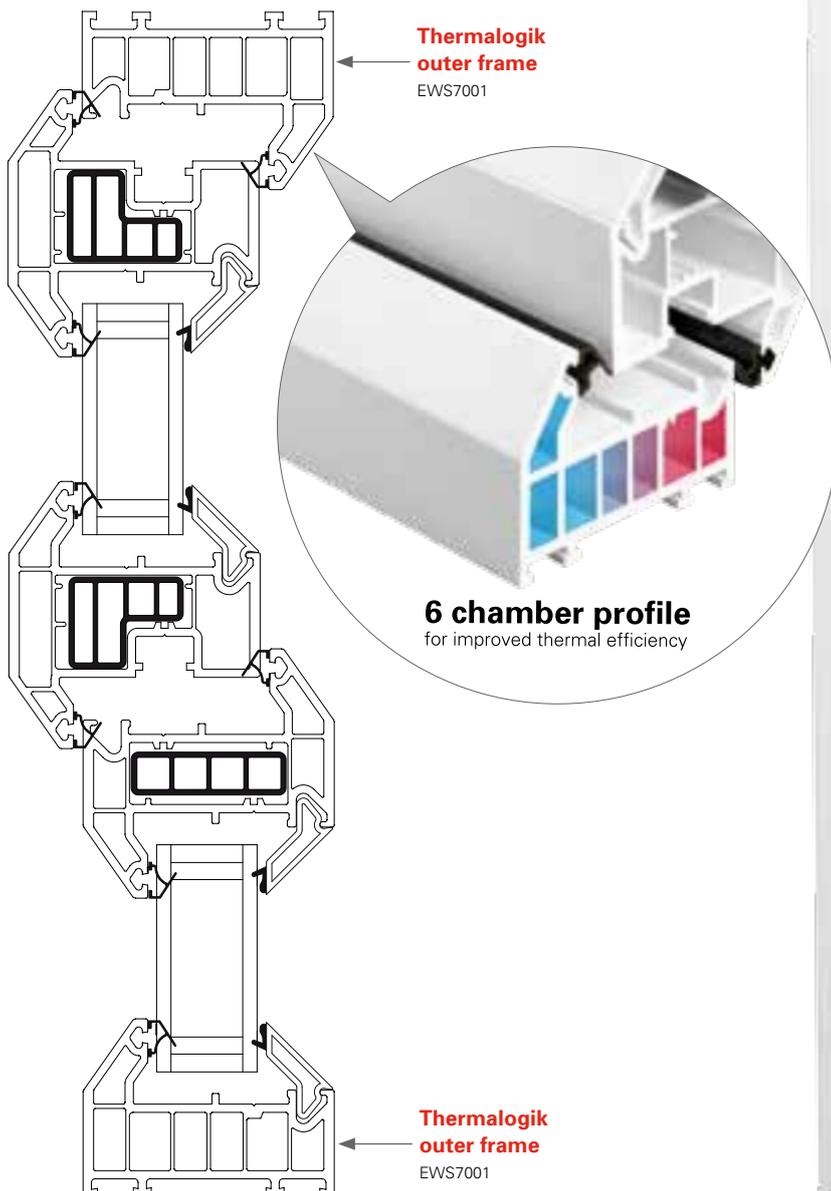
For use with EWS7022, EWS7023, EWS7722 and EWS7723



# Eurologik and Thermalogik

## 'A' winning combination

Eurologik profiles are fully compatible with the innovative Thermalogik outer frame system from Eurocell. The unique six-chamber design of Thermalogik offers slimmer sight lines. When used in conjunction with Eurologik profiles, the result is market-leading 'A'-rated energy efficient windows.



<b>Energy Window</b>	
Design Window & Door Systems Ltd Eurologik 70 Chamfered Casement Window A rated	
	<b>A</b>
<b>Energy Index (kWh/m<sup>2</sup>/year)</b> <small>(Energy Index certified by BFRG 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>	<b>+8 UK</b>
<b>The climate zone is:</b>	<b>UK</b>
<b>Thermal Transmittance (U<sub>frame</sub>)</b> <b>Solar Factor (g<sub>frame</sub>)</b> <b>Effective Air Leakage (L<sub>frame</sub>)</b>	1.3 W/m <sup>2</sup> .K 0.45 W/m <sup>2</sup> .K 0, W/m <sup>2</sup> .K
	Reg. No.: 1225 <a href="http://www.bfrc.org">www.bfrc.org</a>
<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>	

BFRG Energy Rating certificate achieved using Thermalogik and Eurologik profiles, along with PVC-u Thermal Inserts



Eurocell Thermalogik is part of the Eurologik suite of profiles, which carry full BBA accreditation, enabling you to specify with confidence.

Assessment report numbers 2480 (Eurologik Chamfered) and 2663 (Eurologik Ovolo)

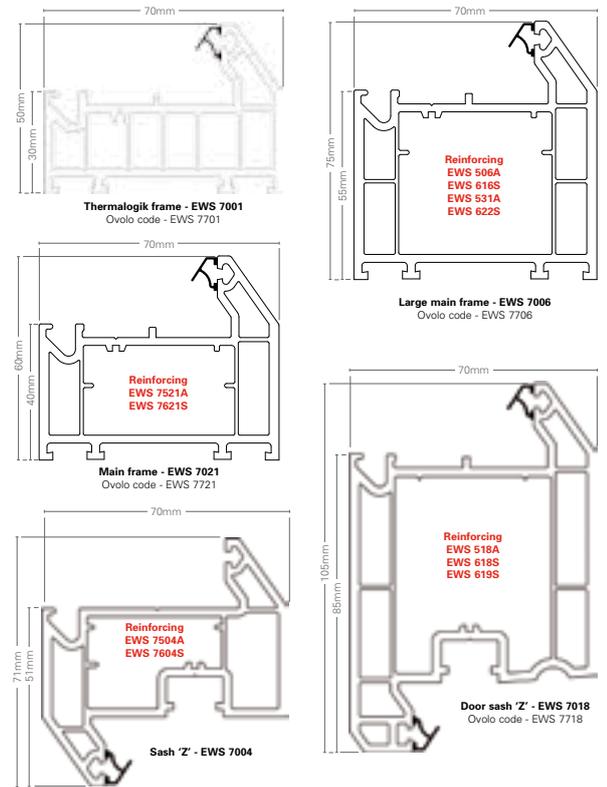


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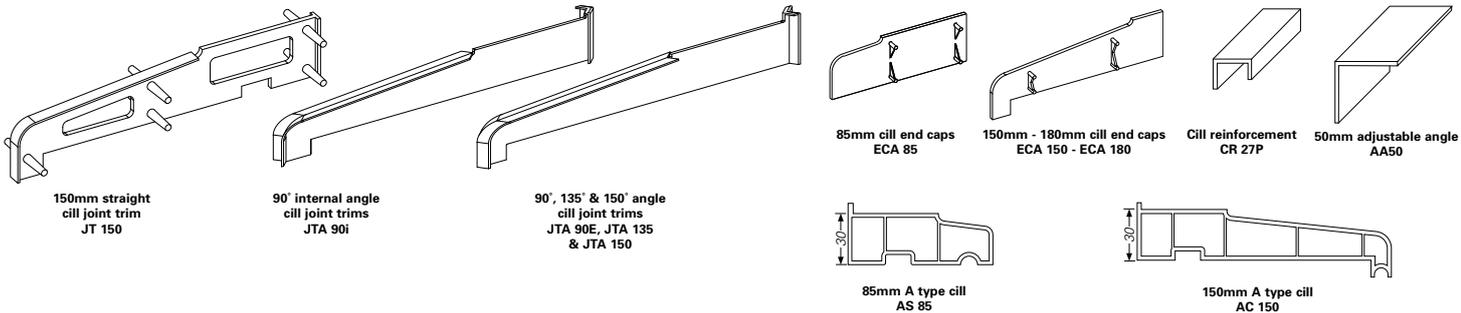
# Eurologik Product Chart

## Chamfered & Ovolo

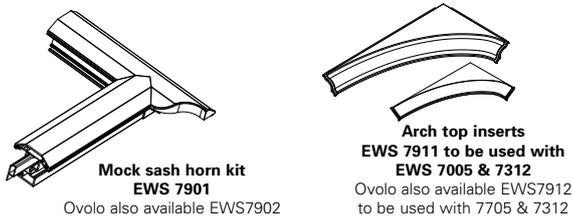
### Main frames - Chamfered (Ovolo also available)



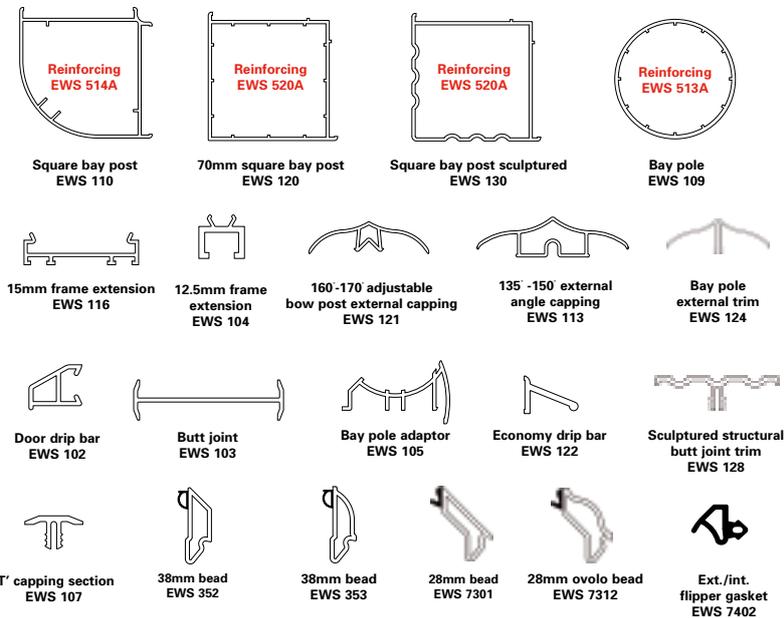
### Cill sections & angles



### Decorative features



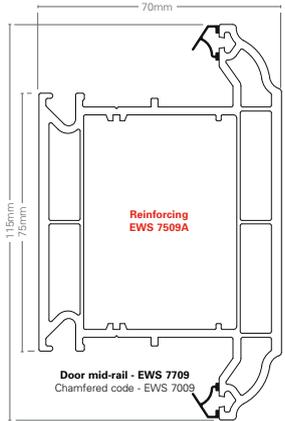
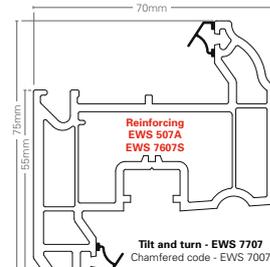
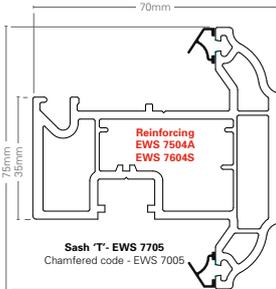
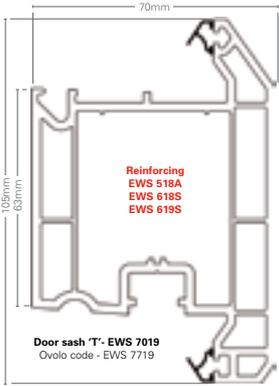
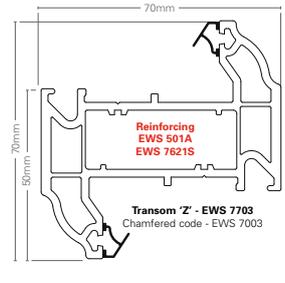
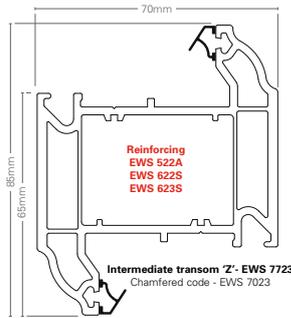
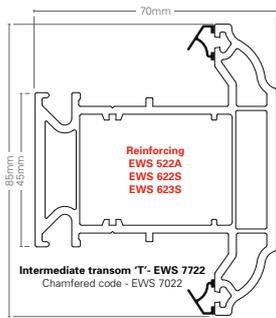
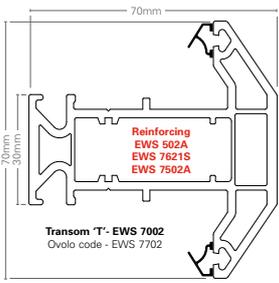
### Ancillaries, beads & gaskets



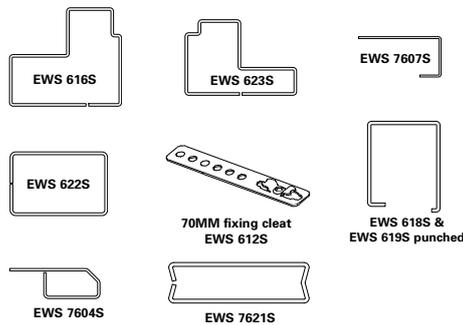
### Mouldings



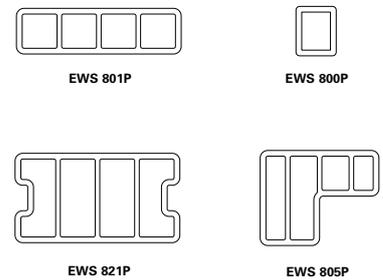
## Main frames - Ovolo (Chamfered also available)



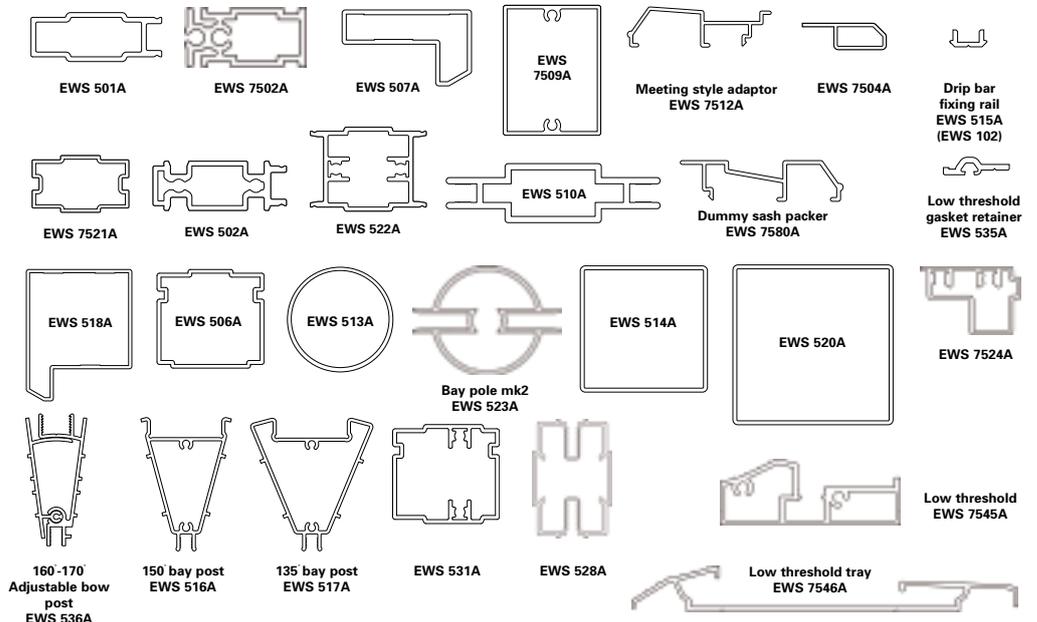
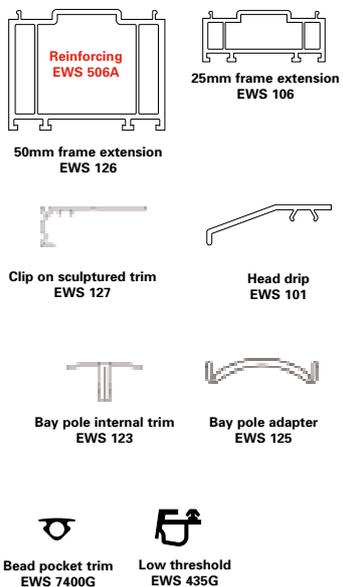
## Steel components



## PVC-u thermal inserts



## Aluminium components





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## Casement window

Outward opening,  
inward glazed

Technical specification options



Frame / Dimension	Dimension X
Thermalogik outer frame (EWS 7001) with sash 'T' (EWS 7005)	97mm
Main frame (EWS 7021) with sash 'T' (EWS 7005)	107mm
Large main frame (EWS 7006) with sash 'T' (EWS 7005)	122mm

Frame / Dimension	Dimension Y
Sash 'T' (EWS 7005) with transom 'Z' (EWS 7003)	117mm
Sash 'T' (EWS 7005) with intermediate transom 'Z' (EWS 7023)	132mm

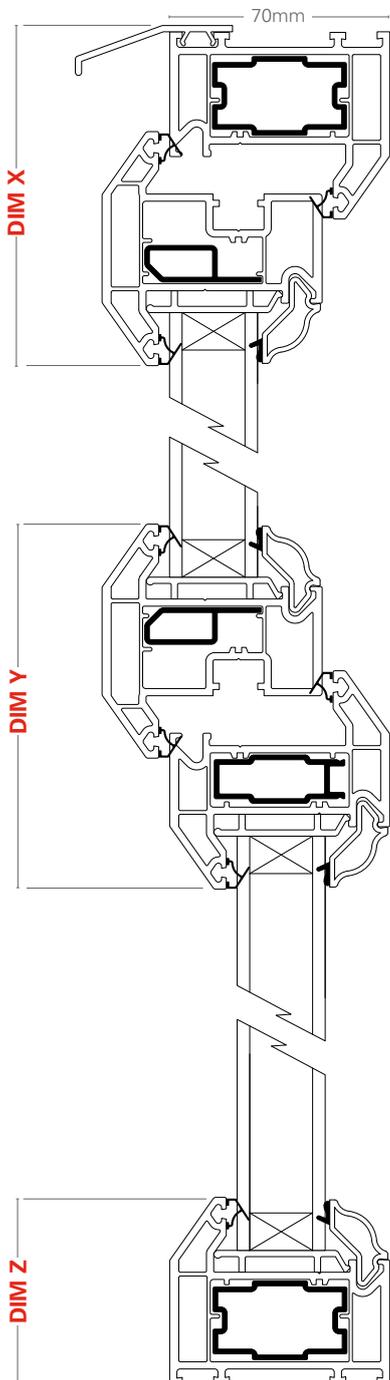
Frame / Dimension	Dimension Z
Thermalogik outer frame (EWS 7001)	50mm
Main frame (EWS 7021)	60mm
Large main frame (EWS 7006)	75mm

# Casement window

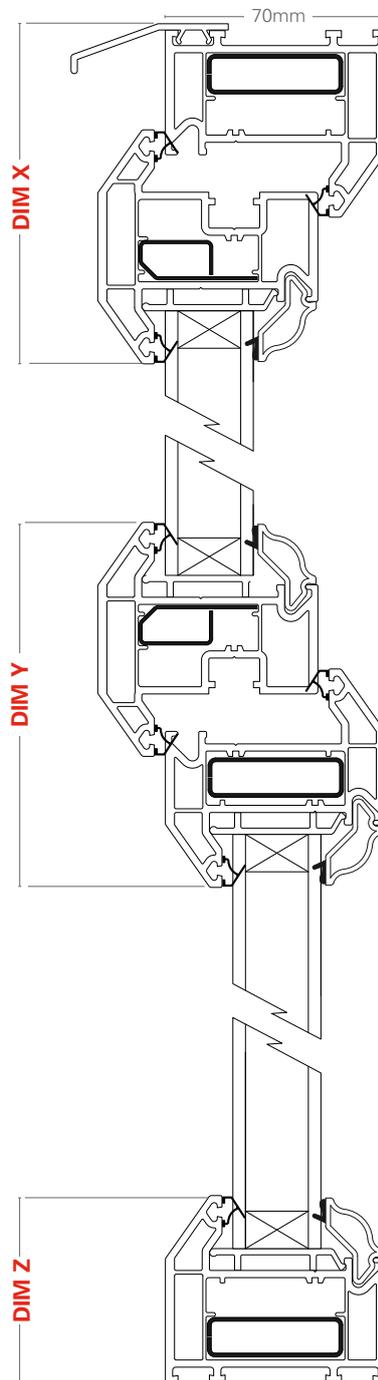
## Reinforcement options

Technical drawings

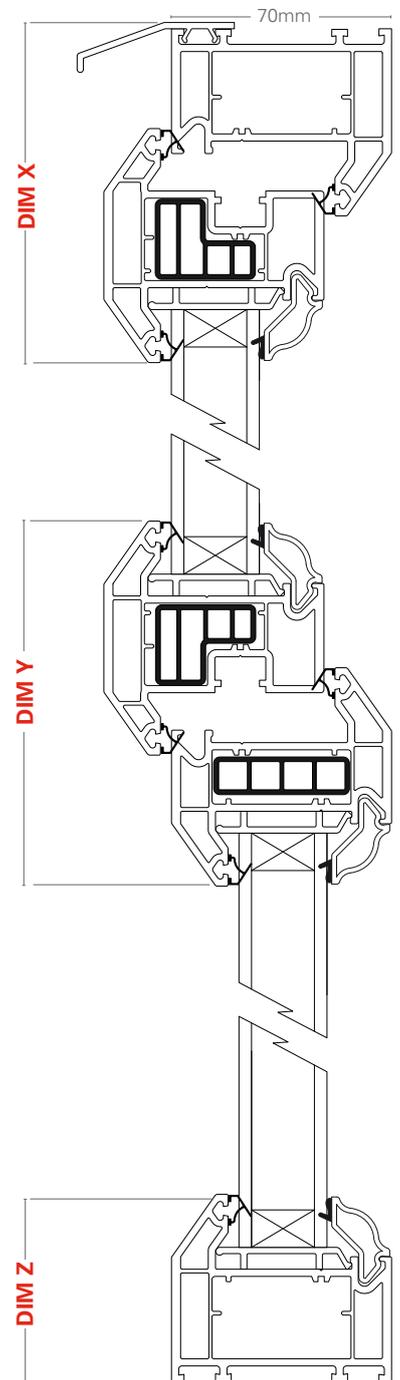
**Aluminium**  
reinforcement option



**Steel**  
reinforcement option



**PVC-u Thermal Inserts**  
reinforcement option



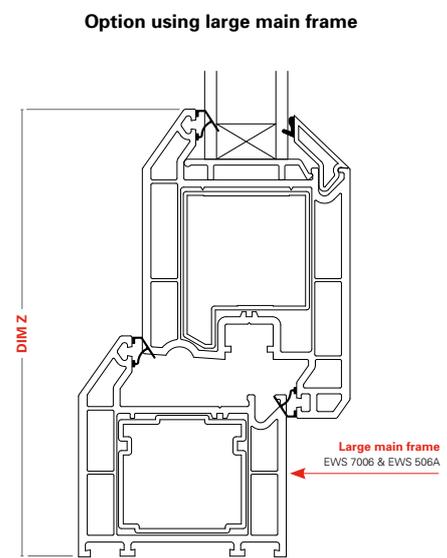
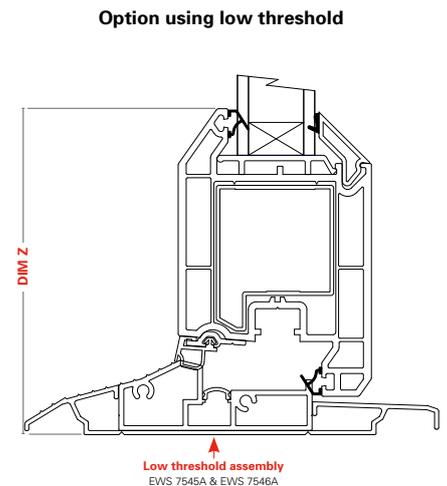
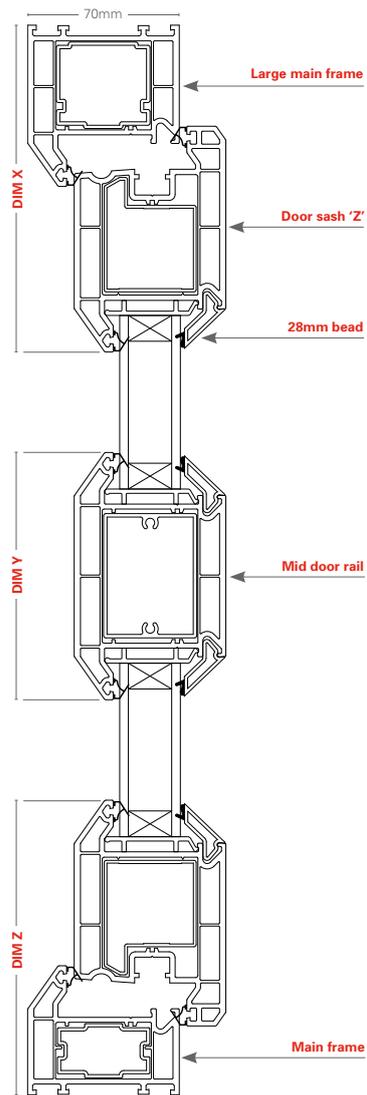


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# Residential door

Inward opening, inward glazed - vertical section

Technical specification and drawings



Frame / Dimension	Dimension X
Thermalogik outer frame (EWS 7001) with door sash 'Z' (EWS 7018)	127mm
Main frame (EWS 7021) with door sash 'Z' (EWS 7018)	137mm
Large main frame (EWS 7006) with door sash 'Z' (EWS 7018)	152mm

Frame / Dimension	Dimension Y
Midrail (EWS 7002)	70mm
Midrail (EWS 7022)	85mm
Midrail (EWS 7009)	115mm

Frame / Dimension	Dimension Z
Low threshold (EWS 7545A & 7546A)	122mm
Thermalogik outer frame (EWS 7001)	127mm
Main frame (EWS 7021)	137mm
Large main frame (EWS 7006)	152mm

# Eurocell - the UK's leading PVC-u specialists

- 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 48 hours available
- Products specially designed for ease of fabrication and fitting - improving your productivity
- Widest product range of any PVC-u systems supplier in the UK
- 10-year profiles guarantee assures you of high quality
- ISO14001 environmental management system accreditation
- Products manufactured from up to 100% recycled material



## 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 your Eurologik window profile system within 48 hours of your order.

## Sustainable standard

To support our ongoing commitment to sustainability, Eurocell has achieved the ISO14001 environmental quality standard.

