the **complete** solution

Discover the leading high-performance, user friendly window system

Eurologik - from Eurocell

Advanced design for exceptional value

the **complete** solution

Eurocell Eurologik

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

Advanced performance

Leading technical and sustainability performance for the complete solution

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.

The sustainable choice

Leading energy efficiency and air tightness performance for lower CO^2 emissions are only part of the Eurologik system's environmental sustainability credentials. PVC-U Thermal Inserts reinforcings 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, Golden Oak, Irish Oak* and White Ash* finishes available
- Separate chambers for improved drainage, thermal efficiency and strength
- Fully bevelled for a slim visual profile and clean sight lines
- System accepts both 28mm and 36mm glazing thicknesses
- Eurocell Eurologik carries full BBA accreditation, enabling you to specify with confidence

BBA BRITISH BOARD OF AGRÉMENT TECHNICAL APPROVALS FOR CONSTRUCTION

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

* Available in Ovolo style only

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

Style with substance
A choice of design options and finishes to suit any property

Casement Windows

Tilt and Turn Windows

Residential Doors

French Doors

Fully sculptured Ovolo style

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

Georgian Bar External Profile

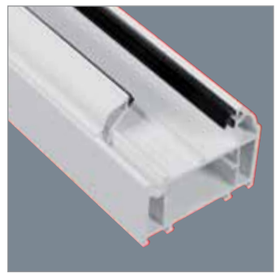
Colour options

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. White Ash and Irish Oak finishes are also available in Ovolo style only. Special colours are also available on extended lead times.

White | Cream | Golden Oak | Rosewood

Grey | White Ash* | Irish Oak*

* Available in Ovolo style only


Ovolo Bead

Mock Horn Sash

Arched Tops

Woodgrain Options

Conservatory finished in Cream

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Maximum energy efficiency for minimum environmental impact

A guide to Energy Ratings

What is the BFRC?

The British Fenestration Ratings Council Ltd (BFRC) is an independant 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?

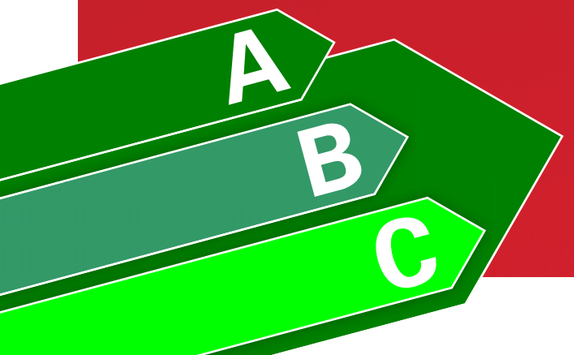
The rating is determined by a formula which takes into account various factors:

- 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.



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*.

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	Float	SG Planitherm Total Plus	Argon	Swisspacer V	PVC-U TI	A	3	1.4
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K OW	Argon	Superspacer	PVC-U TI		2	1.5
Eurologik 70	4/20/4	SG Float	SG Planitherm Total Plus	Argon	Aluminium	PVC-U TI	B	- 9	1.5
Eurologik 70	4/20/4	Pilkington Optifloat	Pilkington K OW	Argon	Superspacer	PVC-U TI		- 7	1.5
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K OW	Argon	Aluminium	PVC-U TI		- 13	1.7
Eurologik 70	4/20/4	SG Float	SG Planitherm Total Plus	Air	Aluminium	PVC-U TI	C	- 18	1.6

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^2/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 Plus	Argon	Swisspacer V	Steel	A	3	1.4
Eurologik 70	4/20/4	SG Diamant	SG Planitherm Total Plus	Argon	Superspacer	Steel		3	1.4
Eurologik 70	4/20/4	SG Float	SG Planitherm Total Plus	Argon	Swisspacer V	Steel	B	- 1	1.4
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K OW	Argon	Superspacer	Steel		- 5	1.6
Eurologik 70	4/20/4	Pilkington Optiwhite	Pilkington K OW	Argon	Aluminium	Steel		- 16	1.8
Eurologik 70	4/20/4	SG Float	SG Planitherm Total Plus	Argon	Aluminium	Steel	C	- 11	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	Float	SG Planitherm Total Plus	Argon	Swisspacer V	PVC-U TI	A	7	1.3
Thermalogik	4/20/4	Pilkington Optiwhite	Pilkington K OW	Argon	Superspacer	PVC-U TI		3	1.5
Thermalogik	4/20/4	SG Float	SG Planitherm Total Plus	Argon	Aluminium	PVC-U TI	B	- 7	1.5
Thermalogik	4/20/4	Pilkington Optifloat	Pilkington K OW	Argon	Superspacer	PVC-U TI		- 3	1.6
Thermalogik	4/20/4	Pilkington Optifloat	Pilkington K	Argon	Aluminium	PVC-U TI	C	- 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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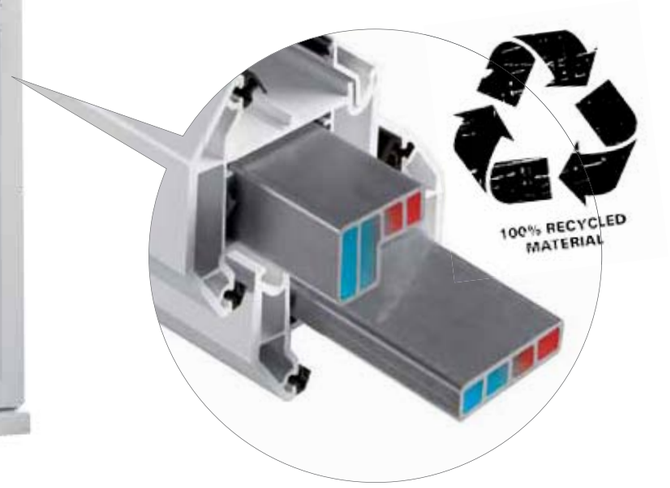
PVC-U Thermal Inserts offer you more for less

Eurologik and **Thermalogik**

Benefits of PVC-U Thermal Inserts

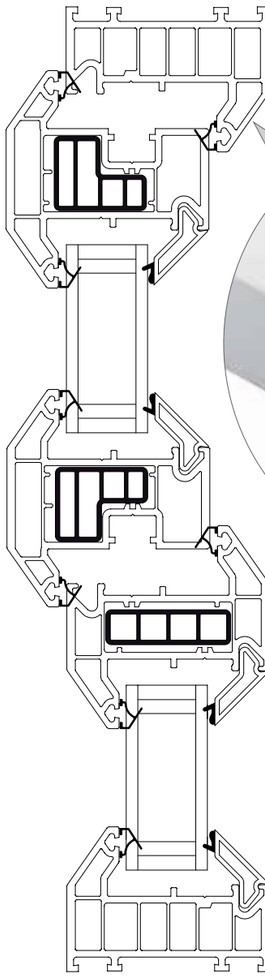
PVC-U Thermal Inserts for Eurologik profiles are the sustainable way to improve your window energy efficiency. The multi-chambered design delivers significantly improved thermal performance, more efficient fabrication and 20% lighter weight than windows with conventional steel reinforcements.

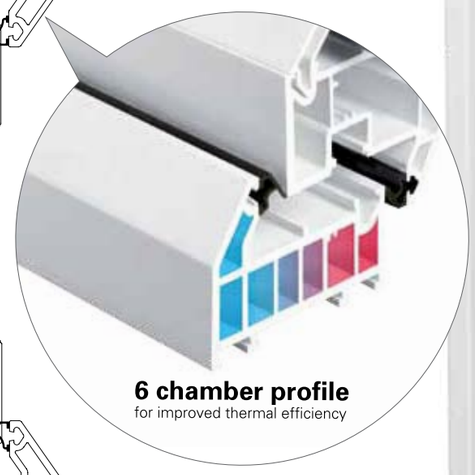
Plus, PVC-U Thermal Inserts are manufactured using 100% recycled material. What's more, it means that the entire window frame is recyclable - making it quicker and simpler to re-use post-consumer windows.



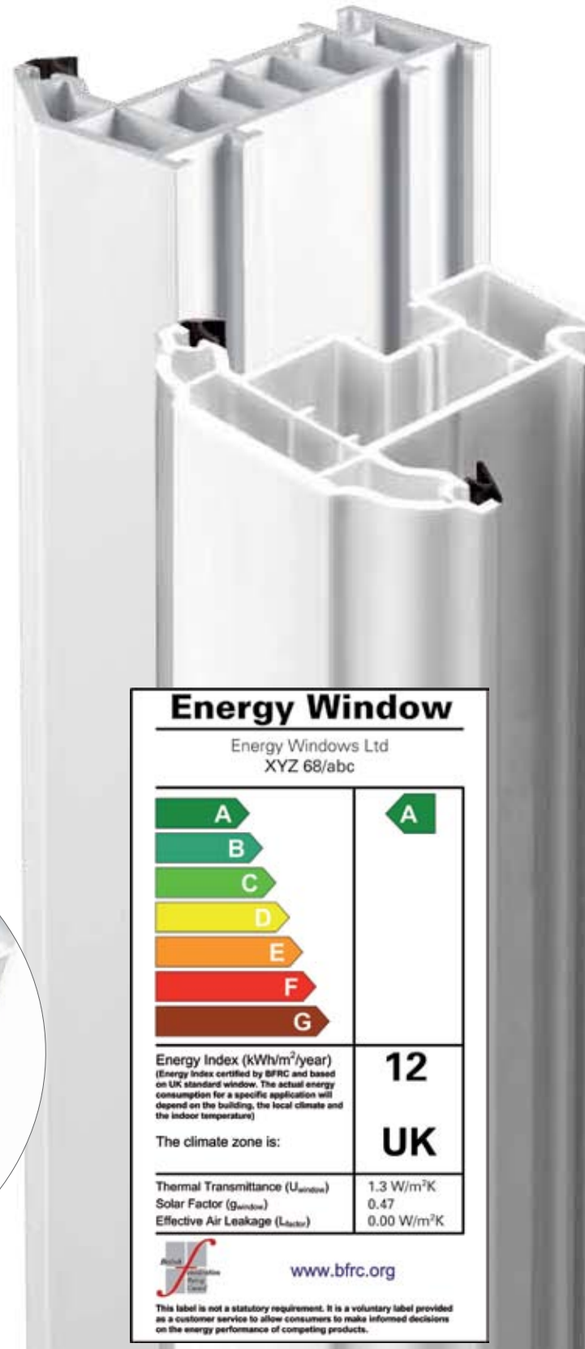
'A' winning combination

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.





6 chamber profile
for improved thermal efficiency



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

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

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TECHNICAL APPROVALS FOR CONSTRUCTION

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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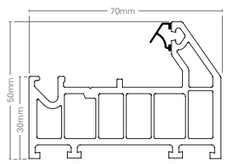
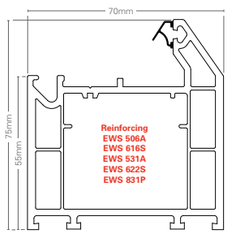
Eurologik Product Chart

Chamfered & Ovolo

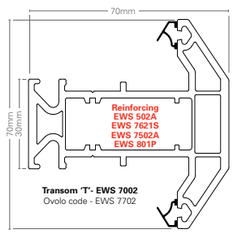
Main frames - Chamfered (Ovolo also available)



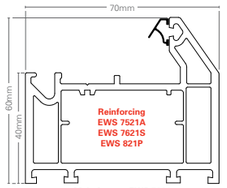
Thermalogik frame - EWS 7001
Ovolo code - EWS 7701



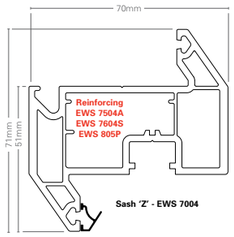
Large main frame - EWS 7006
Ovolo code - EWS 7706



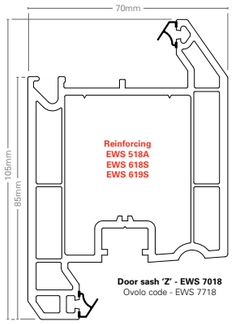
Transom 'T'- EWS 7002
Ovolo code - EWS 7702



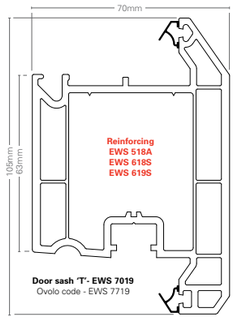
Main frame - EWS 7021
Ovolo code - EWS 7721



Sash 'Z' - EWS 7004

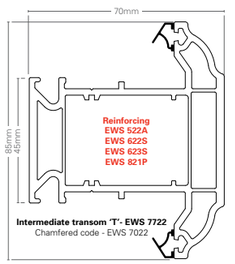


Door sash 'Z' - EWS 7018
Ovolo code - EWS 7718

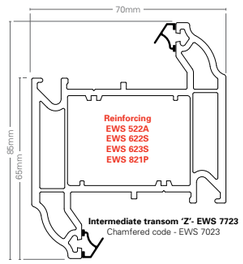


Door sash 'T'- EWS 7019
Ovolo code - EWS 7719

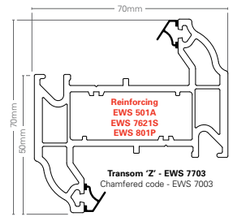
Main frames - Ovolo (Chamfered also available)



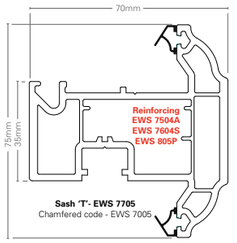
Intermediate transom 'T'- EWS 7722
Chamfered code - EWS 7022



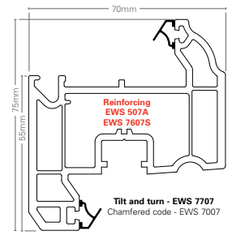
Intermediate transom 'Z'- EWS 7723
Chamfered code - EWS 7023



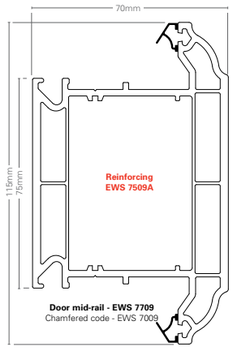
Transom 'Z' - EWS 7703
Chamfered code - EWS 7003



Sash 'T'- EWS 7705
Chamfered code - EWS 7005

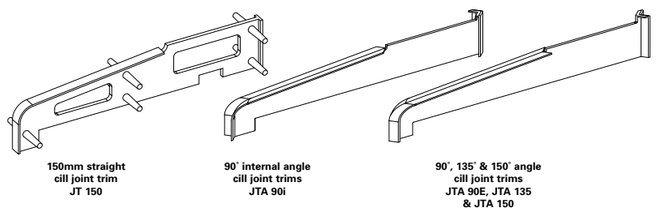


Tilt and turn - EWS 7707
Chamfered code - EWS 7007



Door mid-rail - EWS 7709
Chamfered code - EWS 7009

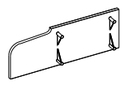
Cill sections & angles



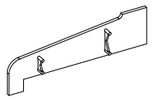
150mm straight cill joint trim JT 150

90˚ internal angle cill joint trims JTA 90i

90˚, 135˚ & 150˚ angle cill joint trims JTA 90E, JTA 135 & JTA 150

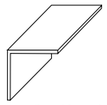


85mm cill end caps ECA 85

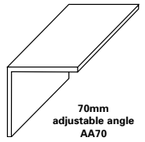


150mm - 180mm cill end caps ECA 150 - ECA 180

Cill reinforcement CR 27P

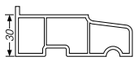


50mm adjustable angle AA50

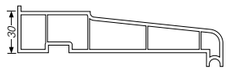


70mm adjustable angle AA70

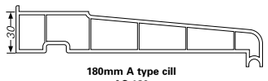
Window board retaining trim EWS129



85mm A type cill AS 85

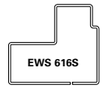


150mm A type cill AC 150

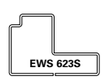


180mm A type cill AC 180

Steel components



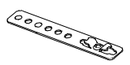
EWS 616S



EWS 623S

EWS 7607S

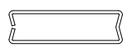
EWS 622S



70MM fixing cleat EWS 612S

EWS 618S & EWS 619S punched

EWS 7604S

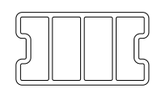


EWS 7621S

PVC-U thermal inserts

EWS 801P

EWS 800P



EWS 821P

EWS 805P

Decorative features

Mock sash horn kit EWS 7901
Ovolo also available EWS7902

Arch top inserts EWS 7911 to be used with EWS 7005 & 7312
Ovolo also available EWS7912 to be used with 7705 & 7312

Mouldings

Clip in glazing platform EWS 7203

French door end cap EWS 7205
Ovolo also available EWS7275

Drip bar end cap EWS 204

Clip on sculptured corner moulding EWS 227

Clip in leading ramp EWS 7202

Interlocking wedges EWS 7201

Low threshold moulding EWS 7245

French window end cap EWS 7215

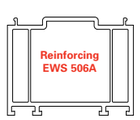
Ancillaries, beads & gaskets

Square bay post EWS 110

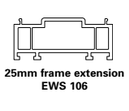
70mm square bay post EWS 120

Square bay post sculptured EWS 130

Bay pole EWS 109



50mm frame extension EWS 126



25mm frame extension EWS 106

15mm frame extension EWS 116

12.5mm frame extension EWS 104

160˚-170˚ adjustable bow post external capping EWS 121

135˚-150˚ external angle capping EWS 113

Bay pole external trim EWS 124

Clip on sculptured trim EWS 127

Head drip EWS 101

Door drip bar EWS 102

Butt joint EWS 103

Bay pole adaptor EWS 105

Economy drip bar EWS 122

Sculptured structural butt joint trim EWS 128

Bay pole internal trim EWS 123

Bay pole adapter EWS 125

'T' capping section EWS 107

38mm bead EWS 352

38mm bead EWS 353

28mm bead EWS 7301

28mm ovolo bead EWS 7312

Ext./int. flipper gasket EWS 7402

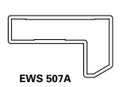
Bead pocket trim EWS 7400G

Low threshold EWS 435G

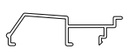
Aluminium components

EWS 501A

EWS 7502A



EWS 507A

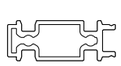


Meeting style adaptor EWS 7512A

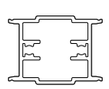
EWS 7504A

Drip bar fixing rail EWS 515A (EWS 102)

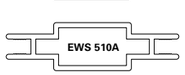
EWS 7521A



EWS 502A

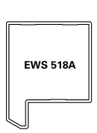


EWS 522A

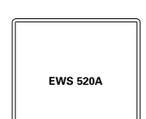


Dummy sash packer EWS 7580A

Low threshold gasket retainer EWS 535A



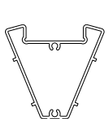
Bay pole mk2 EWS 523A



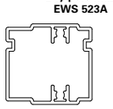
EWS 7524A

160˚-170˚ Adjustable bow post EWS 536A

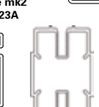
150˚ bay post EWS 516A



135˚ bay post EWS 517A

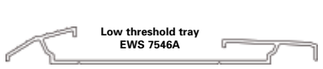


EWS 531A



EWS 528A

Low threshold EWS 7545A



Low threshold tray EWS 7546A

the **complete** solution

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

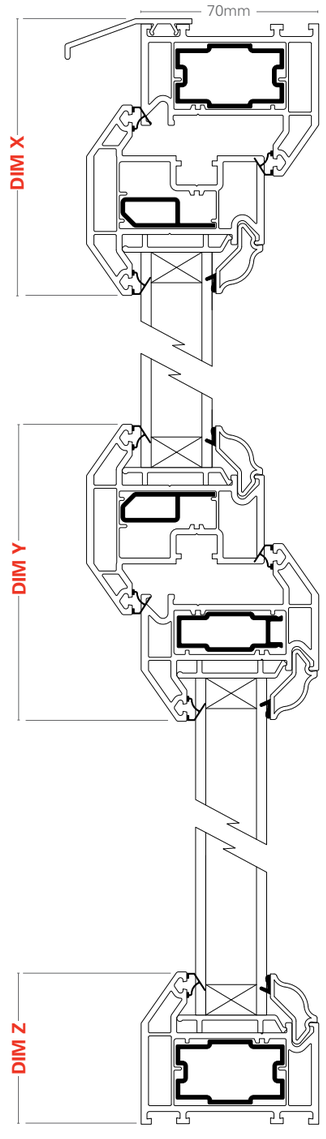
Frame / Dimension	Dimension Y
Sash ‘T’ (EWS 7005) with transom ‘Z’ (EWS 7003)	117mm
Sash ‘T’ (EWS 7005) with intermediate transom ‘Z’ (EWS 7023)	132mm

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

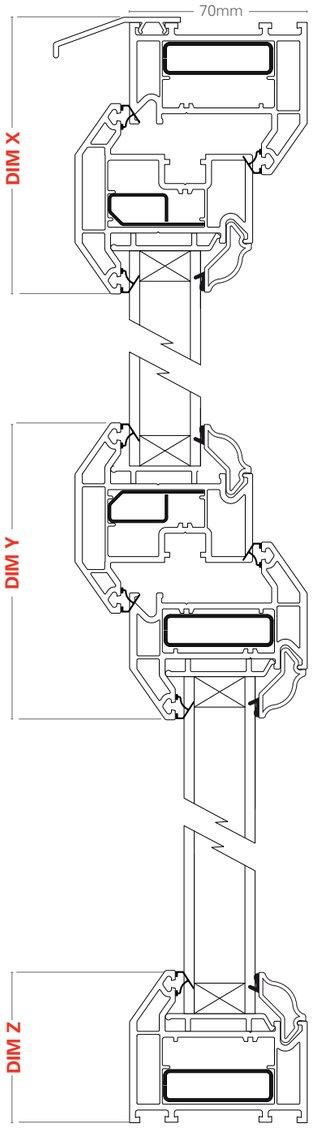
Casement window
Reinforcement options

Technical drawings

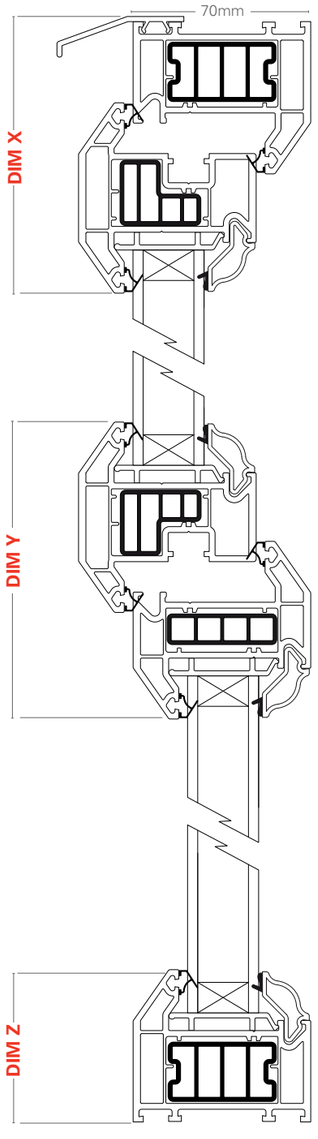
Aluminium
reinforcement option



Steel
reinforcement option



PVC-U Thermal Inserts
reinforcement option

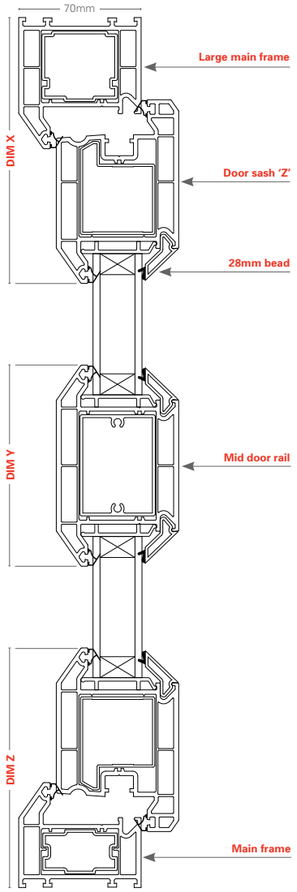


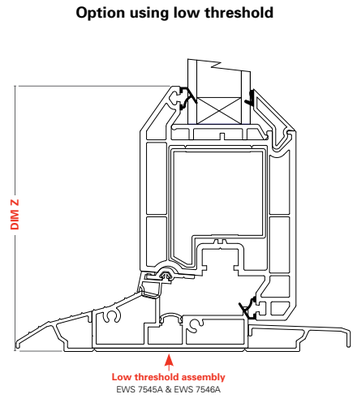
the **complete** solution

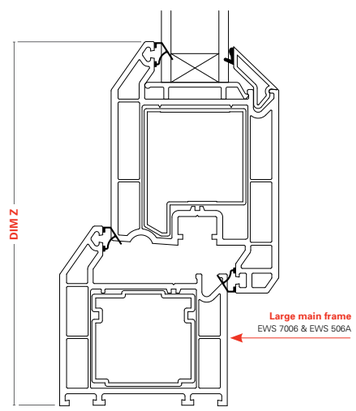
Residential door
Inward opening, inward glazed - vertical section

Technical specification and drawings

Eurocell - the UK's leading PVC-U specialists







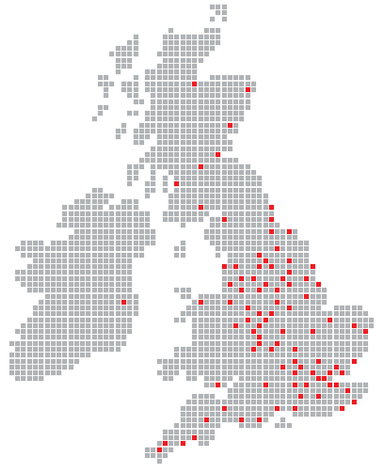
Frame / Dimension	Dimension X
Thermalogik outer frame (EWS 7001) with door sash 'Z' (EWS 7018)	127mm
Main frame (EWS 7021) with door sash 'Z' (EWS 7018)	137mm
Large main frame (EWS 7006) withdoor sash 'Z' (EWS 7018)	152mm

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

- 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
- 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 direct to your site.

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

ISO 14001 REGISTERED FIRM

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

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the **complete** solution

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Product specification is subject to change without notification. Measurements shown are subject to manufacturing tolerances.
Please also note that colours shown are illustrative only, as the printing process does not allow 100% accurate colours to be replicated.

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