modus®
+you

modus® flush sash windows in Anteak with Georgian bars offer a quality, traditional timber appearance

A revolution

in design, engineering and performance

Introducing modus® – the UK's first fully integrated window and door system from Eurocell

It's a game changer

Welcome to modus – a brand new system from Eurocell that leads the market in terms of looks, performance and value for money. Now you can create a whole range of different fenestration types and aesthetic styles from a single system.

modus features the clean and contemporary looks that today's customers demand, together with slimmer sight lines and leading thermal performance. Now, for the first time, there's a genuine alternative to aluminium and timber products, and one offering considerably better value.

Unrivalled aesthetics

Whether it's a sleek ultra contemporary look or elegant traditional architectural styling, modus delivers. What's more, you can create standard, slim rebate and flush sash casement windows, reversible windows, tilt and turn windows, entrance doors and French doors – all from this single system. modus is also easier and faster to fabricate than other leading systems on the market.

8 systems in 1

for ultimate flexibility

modus® has been designed to help you win new customers, save time and reduce costs

Standard sash casement windows

Featuring slimmer sight lines than other systems, modus standard sash casement windows have 28mm (double) and 44mm (triple) glazing options available. A wide range of styles are possible from this sash type, including wide-opening French windows.

Slim rebate sash casement windows

Offering clean sight lines with an internally flush sash and external slim rebate, this window style allows a variety of window configurations to be created, including French windows. It also brings better thermal performance than equivalent price aluminium systems.

Flush sash casement windows

An internally and externally flush sash offers enhanced aesthetics to rival that of timber windows. Plus, you can even make French windows for uninterrupted, wide openings. This is the first dual material extrusion technology (DMET) flush sash and delivers better thermal performance than equivalent price timber windows.

Reversible windows

modus reversible windows feature a completely flush sash, delivering enhanced aesthetics. As the first DMET reversible system in the UK, this innovative product is also the most thermally efficient in the UK.

Tilt & turn windows

A stepped sash design provides improved weather and thermal performance, as well as enhanced aesthetics. There's a dummy mullion / transom plant-on, and no need for steel reinforcement*.

Entrance doors

Entrance doors boast slimmer sight lines and equal 8mm of cover inside and out.

French doors

A dedicated French door mullion improves aesthetics and thermal performance.

Composite door frame

modus outer frame, transom and mullion is compatible with 56mm or rebated 70mm panels for improved thermal performance over existing 44mm doorsets. For more information, please contact Eurocell Technical Department.

*Dependant on size and location

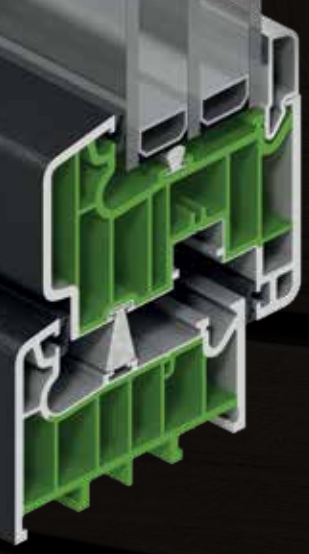
Maximum performance

delivered cost-effectively

Outstanding energy efficiency

Following a £3million investment in research and development, Eurocell created modus to deliver industry-leading energy efficiency. With a triple-seal option providing superb thermal performance and air tightness, U-values as low as 0.7 can be achieved – exceeding Passivhaus standards.

By specifying modus, double-glazing costs can be reduced by up to 27%*. This unique system delivers more cost-effective triple-glazed specifications too. modus – supporting the drive for an affordable zero-carbon future.



Sustainability built-in

When we designed modus, sustainability was at the forefront of our thinking. So we made sure that the system utilises 50% post-consumer recycled PVC-U** as standard. Innovative dual material extrusion technology (DMET) ensures fast, efficient use of post-consumer PVC-U in the production process.

Manufactured and recycled at our state-of-the-art plants in Derbyshire, modus creates a lower carbon footprint than many profiles made or recycled outside of the UK.

u-values as low as

0.7

* Based on average cost/m^2 between three leading glazing unit suppliers against a double-glazed specification achieving a 1.2 U-value
** Average. Post-consumer and virgin PVC-U % content varies between profiles

modus® flush sash windows in Anteak offer a quality, traditional timber appearance

A revelation

In quality, choice and value

Standard sash

AESTHETICS TO RIVAL
ANY PVC-U SYSTEM

Slim rebate sash

AESTHETICS TO RIVAL
ALUMINIUM SYSTEMS

One system.
Four design aesthetics.
Thousands of configuration options.

Flush sash

AESTHETICS TO RIVAL
TIMBER SYSTEMS

Mechanical joint flush sash

AESTHETICS TO RIVAL
ANY TRADITIONAL WINDOW

modus® French doors (shown in Anteak) feature a dedicated mullion for improved aesthetics and thermal performance

More colours
More choices

Tastes evolve, which is why we've extended the modus standard colour range to meet the changing needs of discerning customers. By standard, we mean in stock, ready to go. A further range of 30+ other colour options is available for delivery in just three weeks (in addition to the Architectural Range).

BLACK ASH
WHITE INTERIOR

ANTHRACITE GREY
WHITE INTERIOR

SLATE GREY
WHITE INTERIOR

MOONDUST GREY
WHITE INTERIOR

ANTEAK
WHITE INTERIOR

ROSEWOOD
WHITE INTERIOR

IRISH OAK
WHITE INTERIOR

CREAM WHITE
WHITE INTERIOR

WHITE ASH
WHITE ASH INTERIOR

WHITE
THROUGH COLOUR

+ ARCHITECTURAL RANGE (SPECIAL ORDER)

QUARTZ PLATINUM
(METALLIC)

ASPHALT
(METALLIC)

CROWN PLATIN
(METALLIC)

AGATE GREY

Improving efficiency, cutting costs

The innovative design of modus means lower glass specifications can be used, reducing glazing costs – the most costly element of a window. 90% of modus windows need no reinforcings, saving on fabrication labour time. And stockholding will be cut too, as multiple systems are no longer required to offer an equivalent range of products.

up to **27%**

saving on glazing costs*

up to **8%**

saving on labour costs**

up to **42%**

reduction on stockholding***

* Based on average cost/m^2 between three leading glazing unit suppliers against a double-glazed specification achieving a 1.2 U-value
** Based on a 1200mm x 1200mm side hung next to fixed window compared to fabricating a Eurocell Eurologik equivalent window
*** Fabricators only require 27 stillages instead of 43, based on comparisons against existing Eurocell systems for white profile only

modus® flush sash casement windows in White Ash complements traditional-style properties

Introducing

modus® S

Mechanically jointed flush sash window

Advanced technology in a traditional casement window

Modus S, the mechanically jointed flush sash window. Specifically engineered to eliminate the tell-tale diagonal weld of standard PVC-U windows. Choose Modus S to create the look of traditional windows whilst delivering a virtually maintenance-free and highly energy efficient system to your customers.

At a glance:

- Costs up to 25% less than the nearest equivalent products
- Precision engineered internal mouldings for the mechanical joint
- Unique 75mm six-chamber profile system
- Achieves the new A++ Window Energy Rating and a 0.7 U-value, surpassing passivhaus standards
- 12 year profiles guarantee*
- Perfect for premium properties, conservation areas and self-build projects
- Virtually maintenance-free

*White profiles only

Modern innovation creating traditional aesthetics

Take a closer look

Through product innovation Modus S offers an additional route for PVC-U windows that would normally not be considered due to restrictions of aesthetics or planning. The precision-engineered internal mouldings that create the mechanical joint gives the look and feel of wood and aluminium by creating a flush sash with perfect square joints, without the need for welding.

- Realistic woodgrain finish
- Full range of Modus colours available
- Smooth, flush fitting profile
- Flush frame design inside and out
- Advanced profile design and fabrication
- Leading energy efficiency

Technical information

Slim rebate sash casement

modus slim rebate sash casement windows offer flush internal aesthetics for ultimate sleek looks

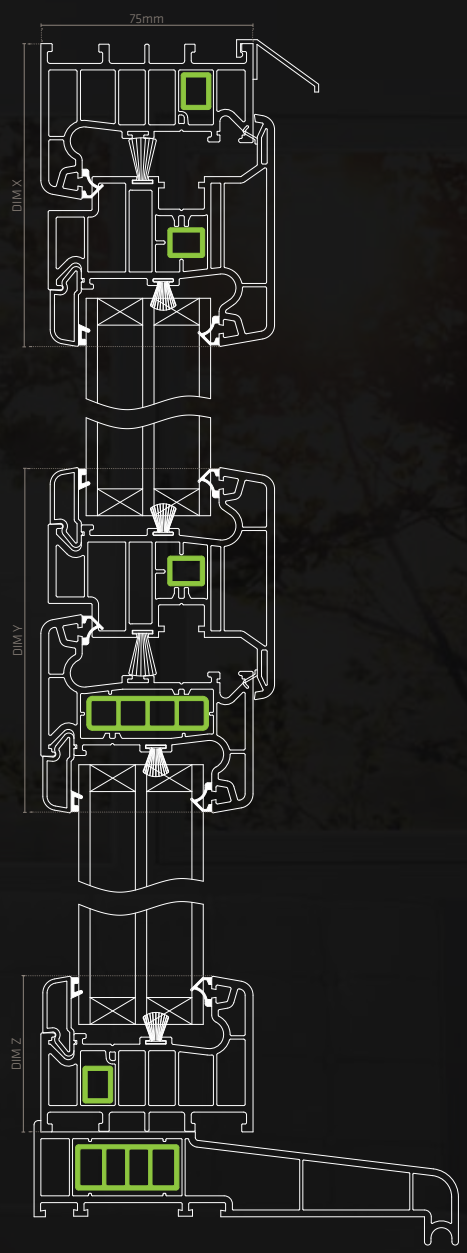
modus slim rebate sash windows offer internally flush and externally slim rebated sashes for a sleek look to rival aluminium systems. A range of Grey and metallic finishes add to the aesthetic, and you can even experiment with differing internal finishes. This delivers significant cost savings over aluminium, as well enhanced thermal performance.

Min / max sizes	Width (mm)	Height (mm)
Top hung (espag)	Min: 320 Max: 1200	Min: 375 Max: 1350
Side hung	Min: 400 Max: 750	Min: 320 Max: 1500
Fixed	Max: 3000	Max: 2400
	Combined width and height 5400	

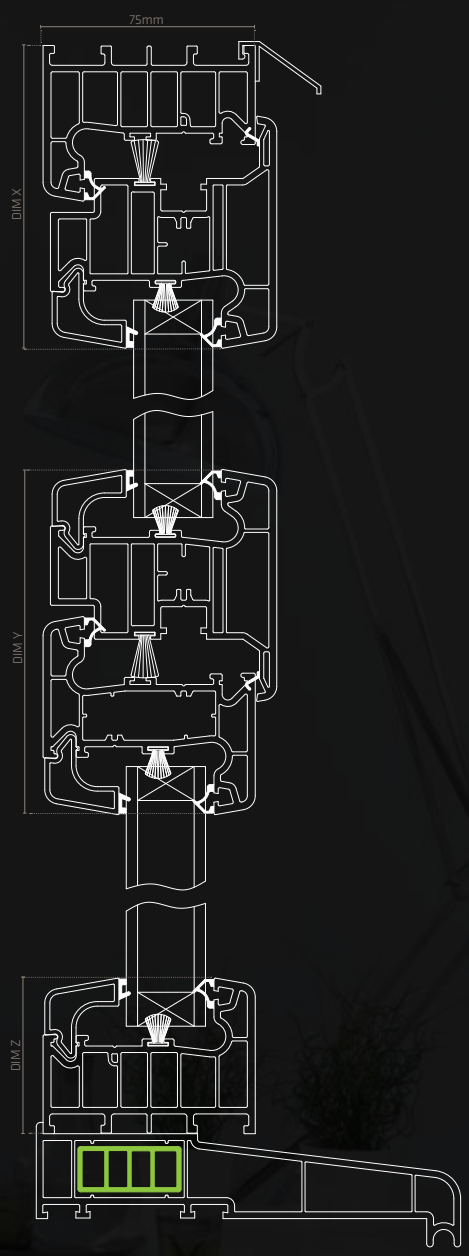
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Krypton	SuperSpacer Premium	Full Thermal	A	9	0.7
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A+	31	0.8
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SwisSpacer Ultimate	None	A	9	1.3
4/20/4	Diamant	N/A	Planitherm Total+	Argon	SuperSpacer Premium	None	A+	12	1.3
4/20/4	Float	N/A	Planibel A	Argon	SuperSpacer Premium	None	A	0	1.4

Contact our Technical department for additional performance specifications

Slim rebate sash window
Triple-glazed



Slim rebate sash window
Double-glazed



Frame dimension	Dim X
Main Frame (LSF 1021) with Slim Rebate Sash (LSF 1004)	107mm
Large Main Frame (LSF 1006) with Slim Rebate Sash (LSF 1004)	122mm

Frame dimension	Dim Y
Slim Rebate Sash (LSF 1004) with Transom Z (LSF 1003)	122mm
Slim Rebate Sash (LSF 1004) with Intermediate Transom Z (LSF 1023)	137mm

Frame dimension	Dim Z
Main Frame (LSF 1021)	55mm
Large Main Frame (LSF 1006)	70mm

Technical information

Flush sash casement

modus flush sash windows in Anteak offer a quality, natural woodgrain appearance to rival timber

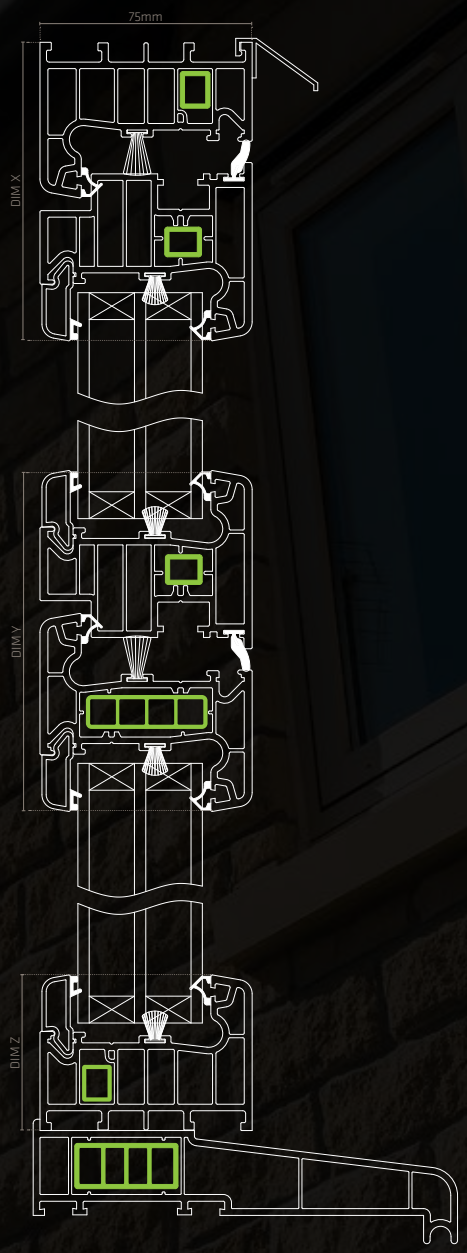
modus flush sash casement windows offer internally and externally flush sashes for an aesthetic to rival timber systems. A range of woodgrain foils means you can achieve a truly natural woodgrain appearance, without the associated costs. It is the first co-extruded flush sash on the UK market, and offers better thermal performance than traditional timber windows.

Min / max sizes	Width (mm)	Height (mm)
Top hung (espag)	Min: 320 Max: 1200	Min: 375 Max: 1350
Side hung	Min: 400 Max: 750	Min: 320 Max: 1500
Fixed	Max: 3000 Combined width and height 5400	Max: 2400

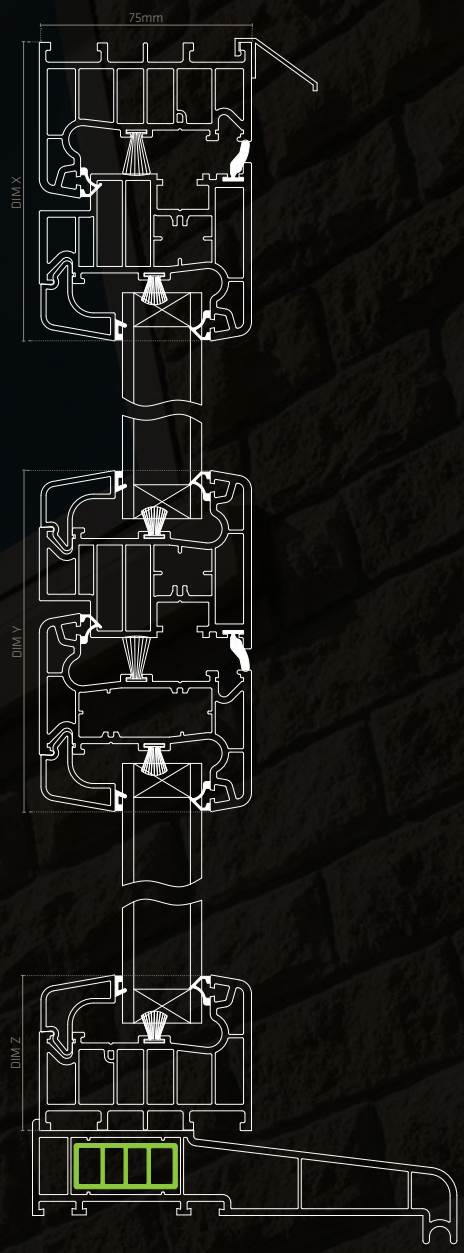
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Krypton	SuperSpacer Premium	Full Thermal	A	9	0.7
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A+	31	0.8
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SwisSpacer Ultimate	None	A	12	1.3
4/20/4	Diamant	N/A	Planitherm Total+	Argon	SuperSpacer Premium	None	A+	13	1.3

Contact our Technical department for additional performance specifications

Flush sash window
Triple-glazed



Flush sash window
Double-glazed



Frame dimension	Dim X
Main Frame (LSF 1021) with Reversible Sash (LSF 1008)	105mm
Large Main Frame (LSF 1006) with Reversible Sash (LSF 1008)	120mm

Frame dimension	Dim Y
Reversible Sash (LSF 1008) with Transom Z (LSF 1003)	120mm
Reversible Sash (LSF 1008) with Intermediate Transom Z (LSF 1023)	135mm

Frame dimension	Dim Z
Main Frame (LSF 1021)	55mm
Large Main Frame (LSF 1006)	70mm

Technical information

Reversible windows

modus reversible windows are the most thermally efficient in the UK

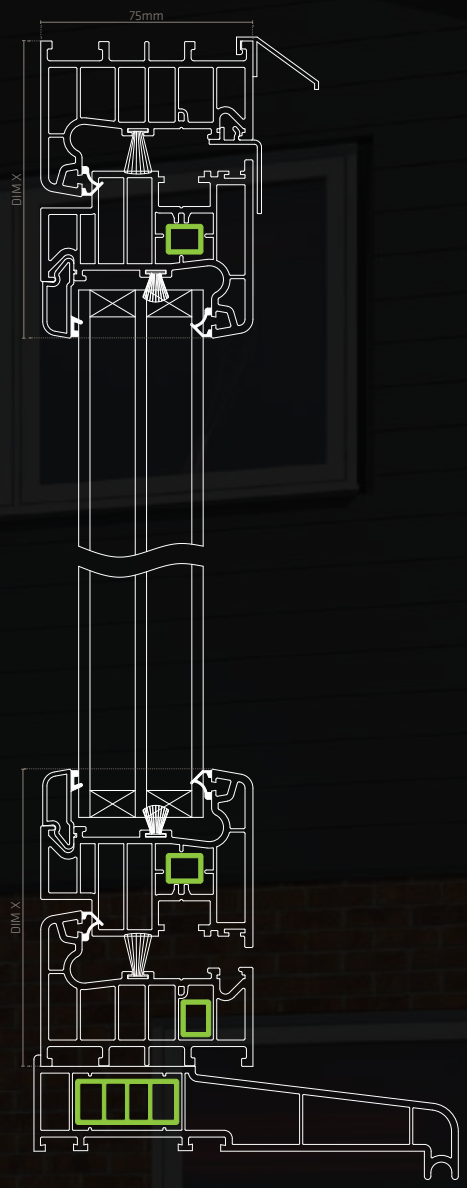
modus reversible windows have a completely flush sash internally and externally. As the first co-extruded reversible system in the UK, this innovative product delivers enhanced aesthetics as well as being the most thermally efficient in the UK. With a U-value as low as 0.7 achievable with a triple-glazed unit, it is the clear choice for new build and commercial projects.

Min / max sizes	Width (mm)	Height (mm)
Reversible windows	Min: 400 Max: 1250	Min: 563 Max: 1500

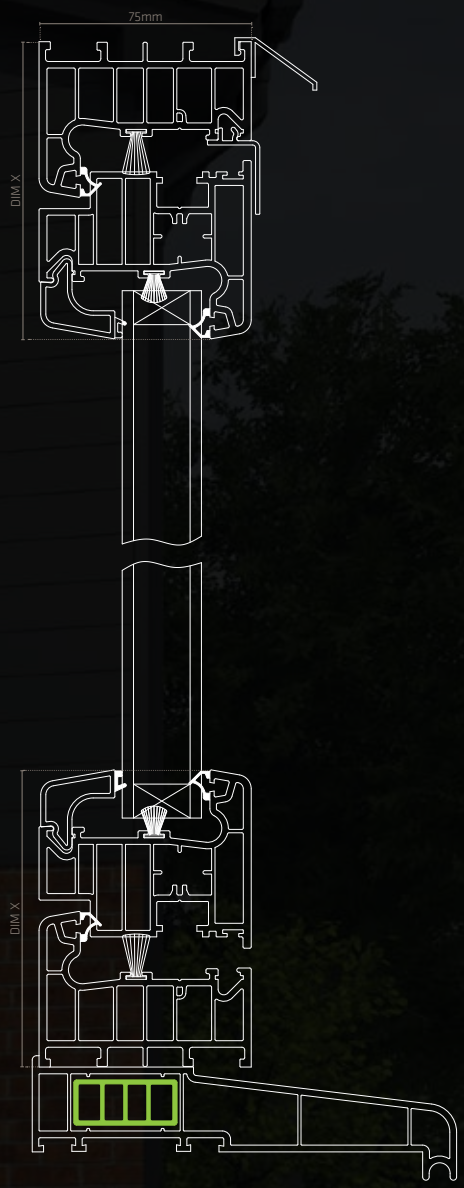
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Argon	SuperSpacer Premium	Full Thermal	A	3	0.8
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A+	30	0.8
4/20/4	Diamant	N/A	Planitherm Total+	Argon	SuperSpacer Premium	None	A	11	1.3
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SwisSpacer Ultimate	None	A	9	1.4

Contact our Technical department for additional performance specifications

Reversible window
Triple-glazed



Reversible window
Double-glazed



Frame dimension	Dim X
Main Frame (LSF 1021) with Reversible Sash (LSF 1008)	105mm
Large Main Frame (LSF 1006) with Reversible Sash (LSF 1008)	120mm

Technical information

Tilt and turn windows

Dual opening modus tilt and turn windows are ideal for high-rise buildings where cleaning access is restricted

modus tilt and turn windows feature a stepped sash design that is complemented by a variety of foil options, including stunning new metallic foils in the Architectural Range. With no need for steel reinforcements and U-values as low as 0.7 achievable with a triple-glazed unit, it's the clear choice for commercial works.

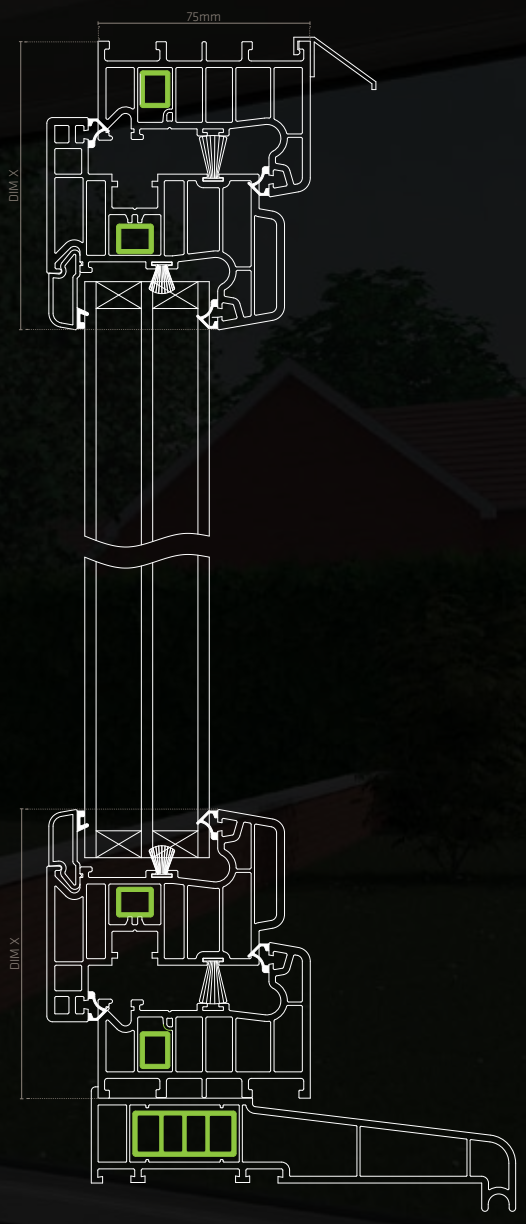
Min / max sizes	Width (mm)	Height (mm)
Tilt and turn windows	Min: 550 Max: 1500	Min: 550 Max: 1500

* Dependant on size and location

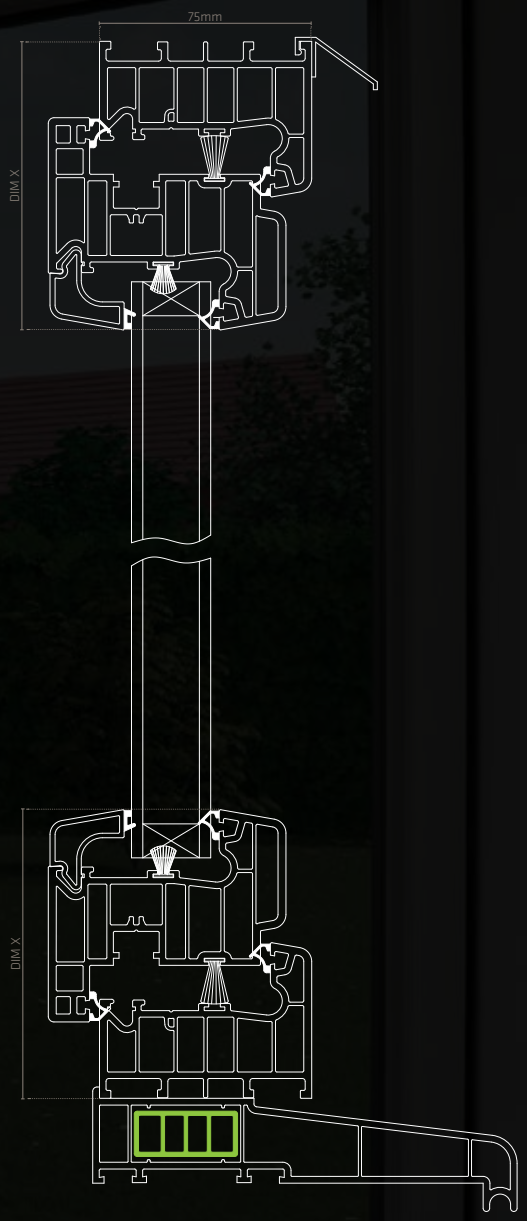
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Krypton	SuperSpacer Premium	Full Thermal	A	9	0.7
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Argon	SuperSpacer Premium	Full Thermal	A	5	0.8
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A+	31	0.8
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SwisSpacer Ultimate	Full Thermal	A	11	1.3
4/20/4	Diamant	N/A	Planitherm Total+	Argon	SuperSpacer Premium	Full Thermal	A+	16	1.3

Contact our Technical department for additional performance specifications

Tilt and Turn window
Triple-glazed



Tilt and Turn window
Double-glazed



Frame dimension	Dim X
Main Frame (LSF 1021) with Tilt & Turn Sash (LSF 1007)	102mm
Large Main Frame (LSF 1006) with Tilt & Turn Sash (LSF 1007)	117mm

Technical information

French doors

These stunning modus French doors feature sleek, flat faces and authentic timber aesthetics

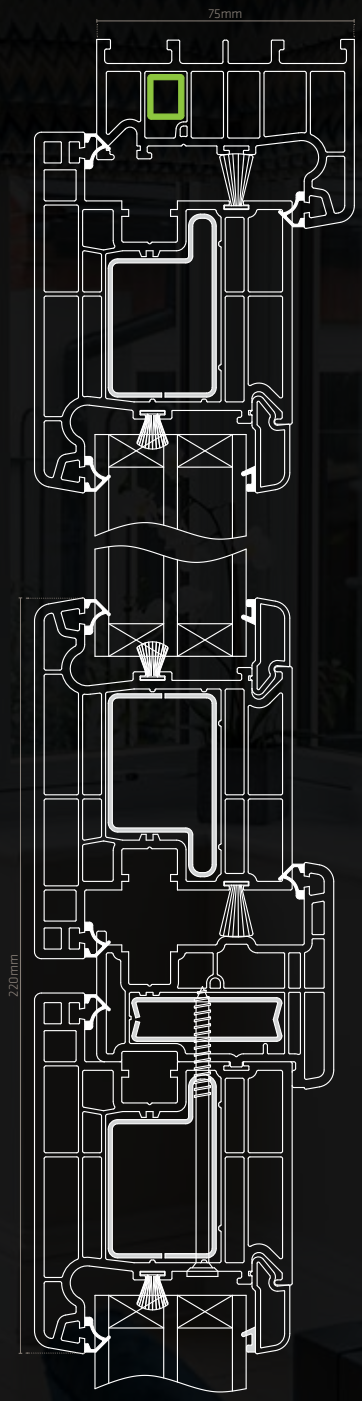
modus French doors feature sleek, flat faces for sophisticated looks. A dedicated mullion with a slim rebate improves sightlines, whilst an option of an additional third seal to improve weather performance is also available. Maximum thermal performance can be achieved with a triple-glazed specification, offering U-values as low as 0.8.

Min / max sizes	Width (mm)	Height (mm)
French doors	Min: 1200 Max: 2000	Min: 1800 Max: 2300

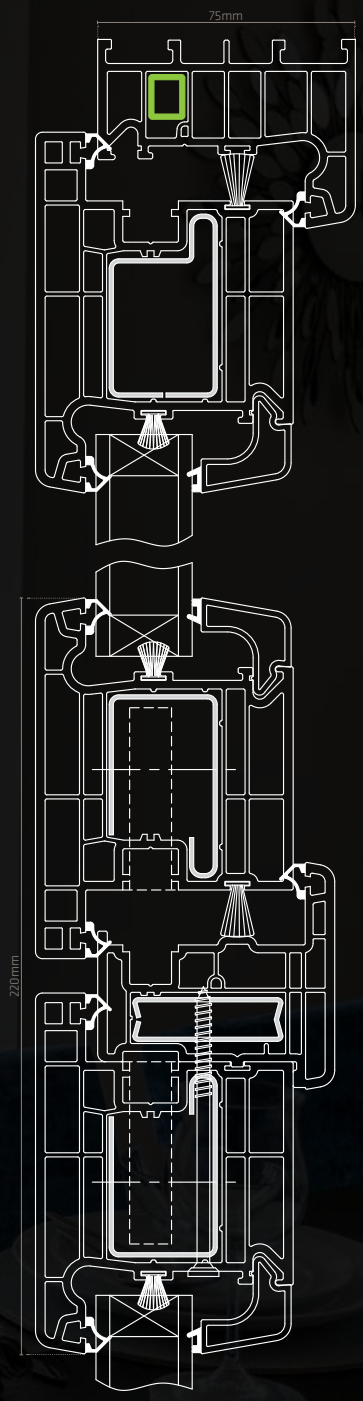
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Diamant	Planitherm One	Planitherm One	Argon	SuperSpacer Premium	Full Thermal	B	-2	0.8
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A+	22	0.9
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SwisSpacer Ultimate	Full	A	8	1.3
4/20/4	Diamant	N/A	Planitherm One	Argon	SuperSpacer Premium	Full	C	-13	1.2

Contact our Technical department for additional performance specifications

French doors
Triple-glazed



French doors
Double-glazed



Technical information

Entrance doors

The possibilities are endless with modus entrance doors

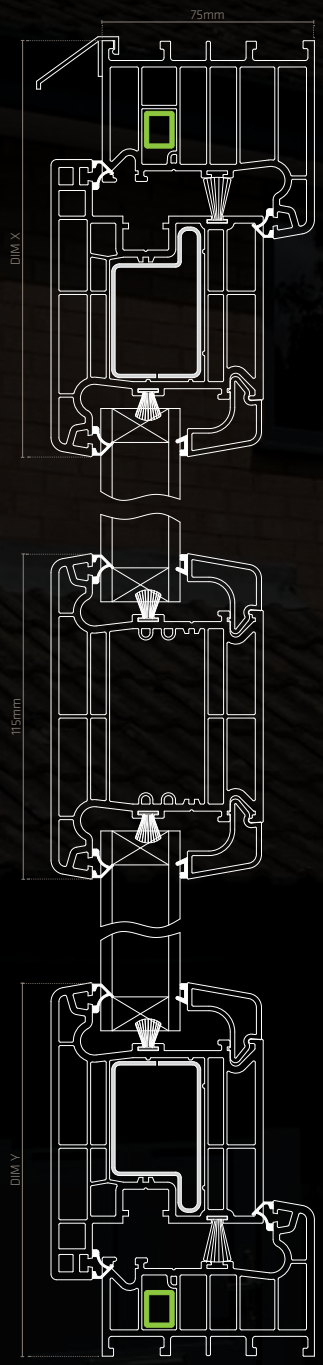
modus entrance doors offer utlimate flexibility. Whether you choose panels or glazing, the design options are plentiful, and even include the ability to mechanically join the transom or mid-rail. As with the French door, an optional third seal can be utilised to improve weather performance and U-values as low as 0.8 can be achieved with a triple glazed unit.

Min / max sizes	Width (mm)	Height (mm)
Entrance doors	Min: 800 Max: 1000	Min: 1800 Max: 2300

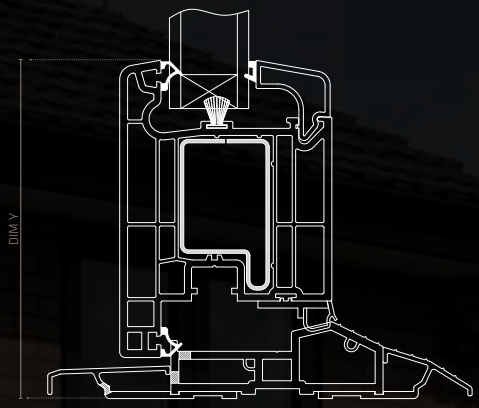
Config	Glass 1 (external)	Glass 2 (internal)	Glass 3 (internal)	Gas fill	Spacer bar	Reinforcing	WER	Energy index	U value
4/16/4/16/4	Float	Planitherm One	Planitherm One	Argon	SuperSpacer Premium	Full Thermal	A	-56	0.8
4/16/4/16/4	Optiwhite	Pilkington KS	Pilkington KS	Argon	SuperSpacer Premium	Full Thermal	A	-60	0.9
4/20/4	Optiwhite	N/A	Pilkington KS	Argon	SuperSpacer Premium	Full	C	-87	1.3
4/20/4	Float	N/A	Planitherm One	Argon	SuperSpacer Premium	Full	B	-81	1.2

Contact our Technical department for additional performance specifications

Entrance door (with mid-rail)
Double-glazed



Entrance door
Part M threshold



Frame dimension	Dim X
Main Frame (LSF 1021) with Door Sash T (LSF 1019)	132mm
Large Main Frame (LSF 1006) with Door Sash T (LSF 1019)	147mm

Frame dimension	Dim Y
Low threshold (LSF 1458) with Door Sash T (LSF 1019)	118mm
Main Frame (LSF 1021) with Door Sash T (LSF 1019)	132mm
Large main frame (LSF 1006) with Door Sash T (LSF 1019)	147mm
Part M low threshold with Door Sash T (LSF 1019)	120mm

Bellway
Plot 73
SOLD
bellway.co.uk

Case study

Bellway Homes

Bellway Homes has become the latest major house builder to specify modus. The development of nine properties in a conservation area all feature modus flush sash windows.

modus flush sash was specified because both Bellway Homes and the planning authorities felt that it offered an aesthetic rival to timber windows.

"The planners wanted a window that looked like it had a timber frame," said Andy Gilliver, Regional Architectural Technician, Bellway Homes East Midlands. "At the same time we were conscious that we didn't want to leave the homeowners with an ongoing maintenance problem."

One of the initial concerns with the planners, and the reason why they wanted to go down the timber route, was a preconception that PVC-U frames would look bulkier. The design team at Bellway Homes overcame this by presenting them with modus.

"As soon as the planners saw modus they agreed that it was suitable for this development," said Andy. "Working with the planners, we selected a specific RAL reference for a light cream".

Andy continued "We felt that the contemporary style of modus was distinctly different to all the other profile systems that we had seen. The fact that modus is a fully integrated window and door system with three sash design options gives us much more choice and better value for money. It just goes to show that good design works on all kinds of developments, especially those in conservation areas!"

modus® flush sash in bespoke finish Ice Cream

Customer testimonials

What our customers say

"Being a fully integrated system and available in three sash style options means that modus gives us more choice than ever before. In fact, it allows us to specify a solution for any aperture - all manufactured from the single modus system.

That is important to us as our buyers expect a co-ordinated, colour-matched aesthetic across the window and door frames. Aside from that, it simplifies our procurement process.

We also like the fact that the multi-chamber design of the modus profile significantly improves frame energy efficiency which will offset the need for higher glazing specifications. We are confident that modus will help us sell more properties, whilst saving time and reducing costs."

Martin Sanwell
Procurement Director at Avant Homes

"The more we get to know modus, the more it appeals to us. Simple as that. It looks so new and different to all the other bevelled and ovolo window profile systems currently in the market. That means it gives our sales team something genuinely new to offer customers – we haven't had that in our industry for a long time! Plus, the marketing support from Eurocell has been excellent – some of the best we have ever seen."

Jason Pascoe
Production Manager at Frame Fast (Eurocell fabricator)

"The design and fabric energy efficiency of the homes that we build is very important to Taylor Wimpey and with the launch of modus, particularly its contemporary design and improved energy efficiency; it makes it a serious proposition."

Dale Saunders
UK Associate Technical Director, Taylor Wimpey

modus® flush sash window with dummy sash allows you to create equal sightlines

modus® standard sash casement window shown in Moondust Grey

1st

First across the board

With its stunning contemporary design, exceptional technical performance, leading energy efficiency and unique multi-functional design, modus has taken first place in the UK window and door industry. But the firsts don't stop there...

- **First fully integrated PVC-U system in the UK**
- **First 75mm DMET window system in the UK**
- **First DMET PVC-U reversible system in the UK**
- **First DMET bead in the UK**
- **First leading system to offer a 12-year guarantee in the UK**

modus®

+us

Want to know more?
Call our Customer Care Team
now on 0800 988 7300, or
visit eurocell.co.uk/modus-s

eurocell®

All together better