



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

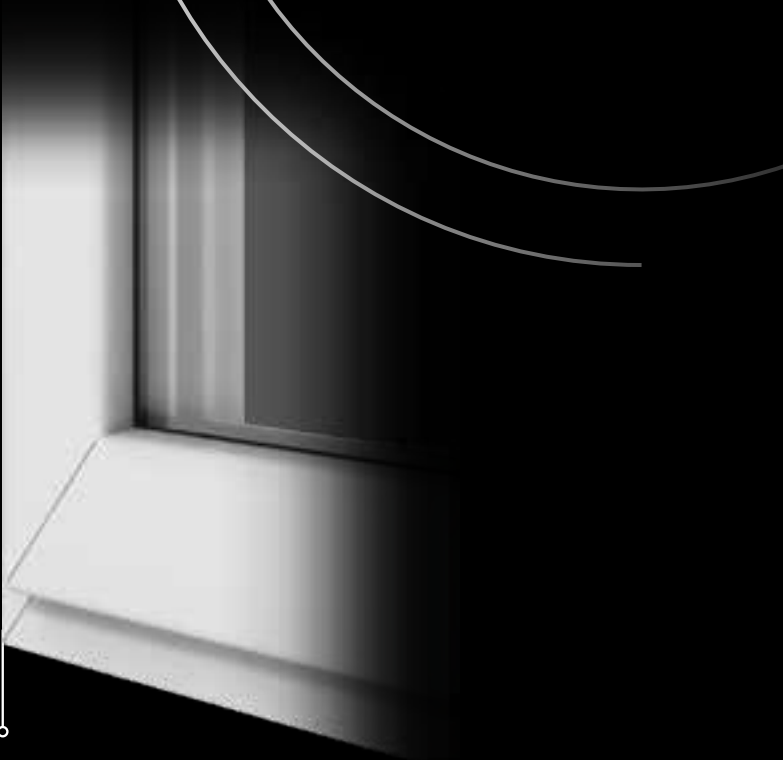
* Based on average cost/m² between three leading glazing unit suppliers against a double-glazed specification achieving a 1.2 U-value
** Average. Post-consumer and virgin PVC-U % content varies between profiles



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 reinforcements, 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/m² 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[®] 



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

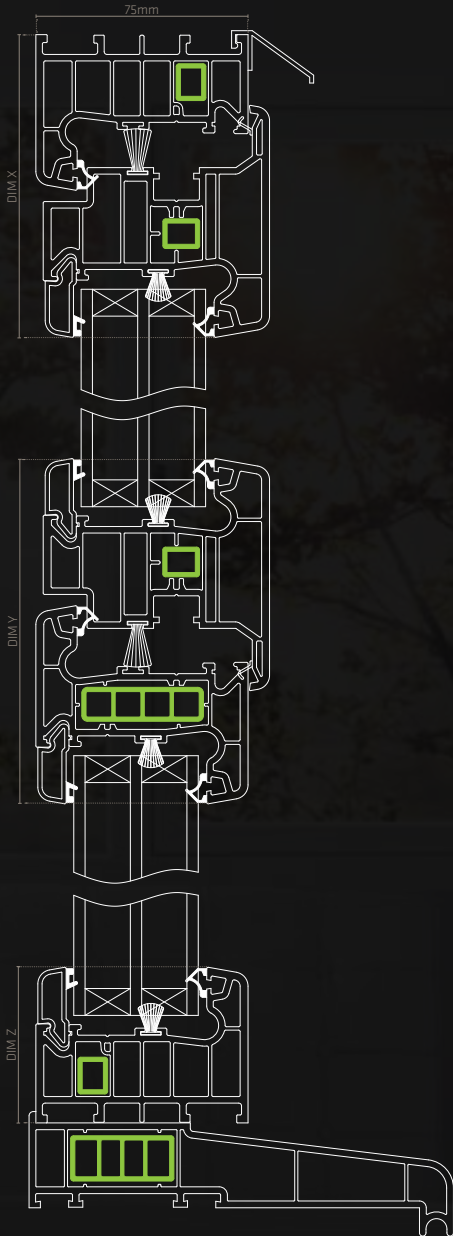
modus slim rebate sash windows offer internally flush and externally slim rebated sashes for a sleek look to rival aluminium systems. A range of Grey and metallic finishes add to the aesthetic, and you can even experiment with differing internal finishes. This delivers significant cost savings over aluminium,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

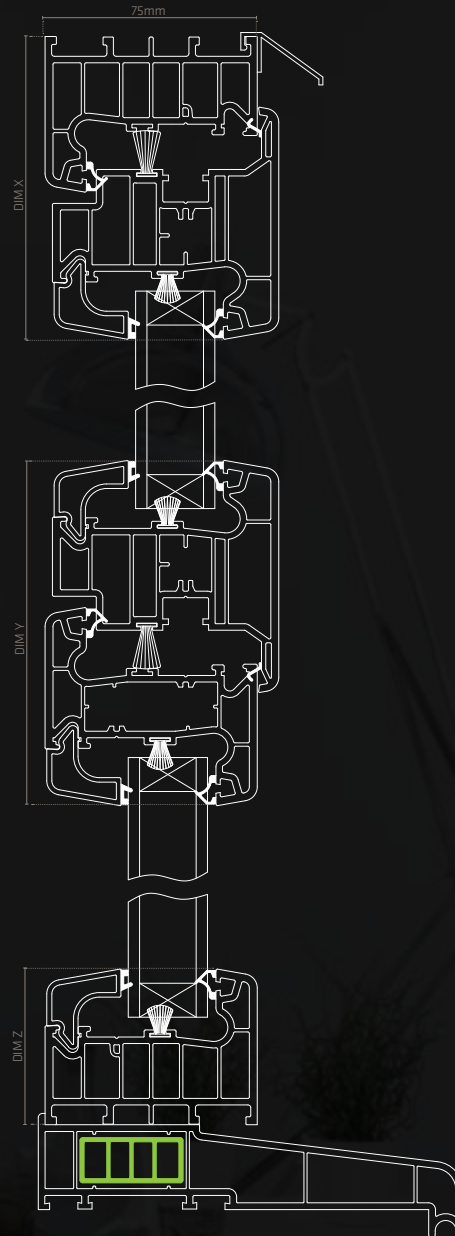
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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

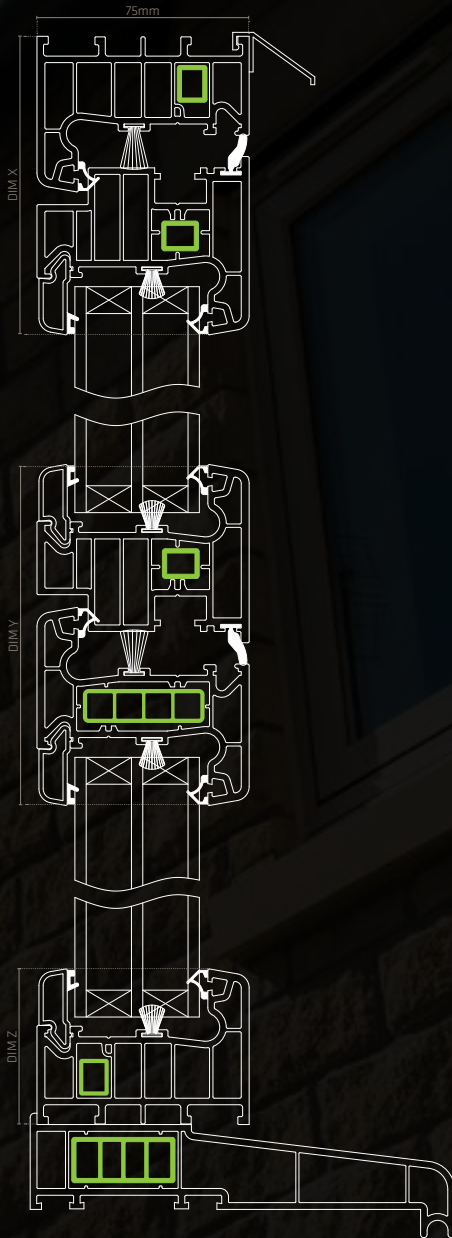
modus flush sash casement windows offer internally and externally flush sashes for an aesthetic to rival timber systems. A range of woodgrain foils means you can achieve a truly natural woodgrain appearance, without the associated costs. It is the first co-extruded flush sash on the UK market, and offers 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 | Max: 2400 Combined width and height 5400 |

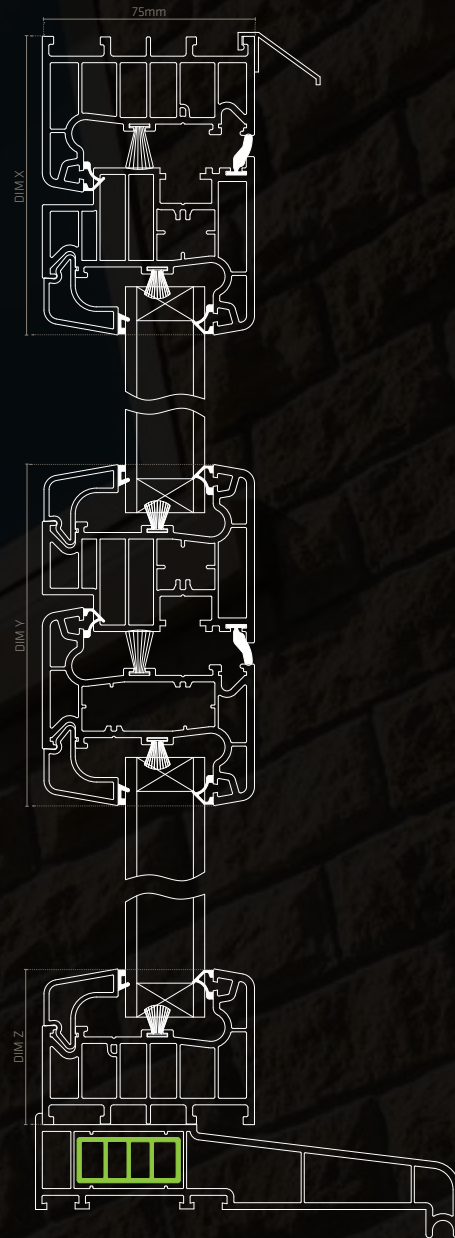
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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 | 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

Reversible windows

Width (mm)

Min: 400
Max: 1250

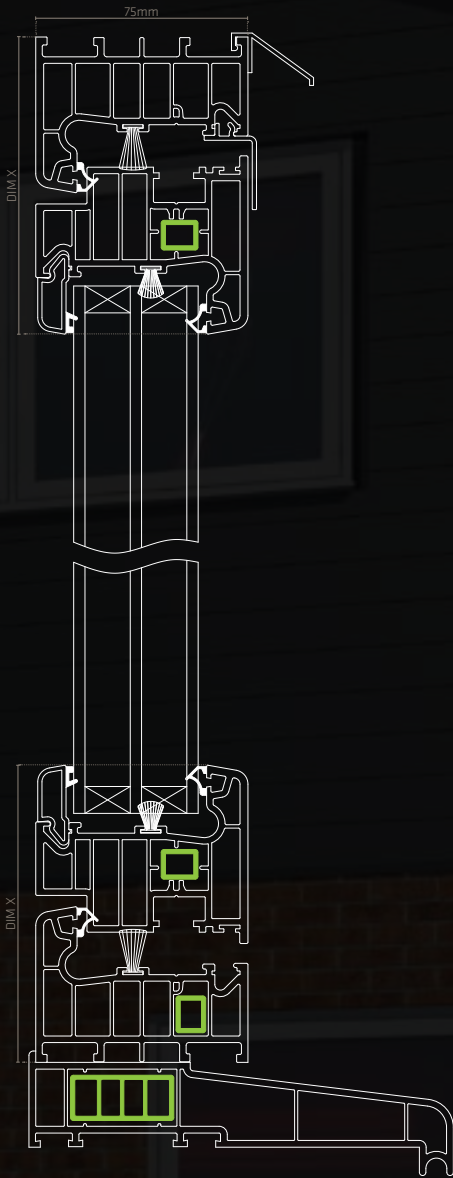
Height (mm)

Min: 563
Max: 1500

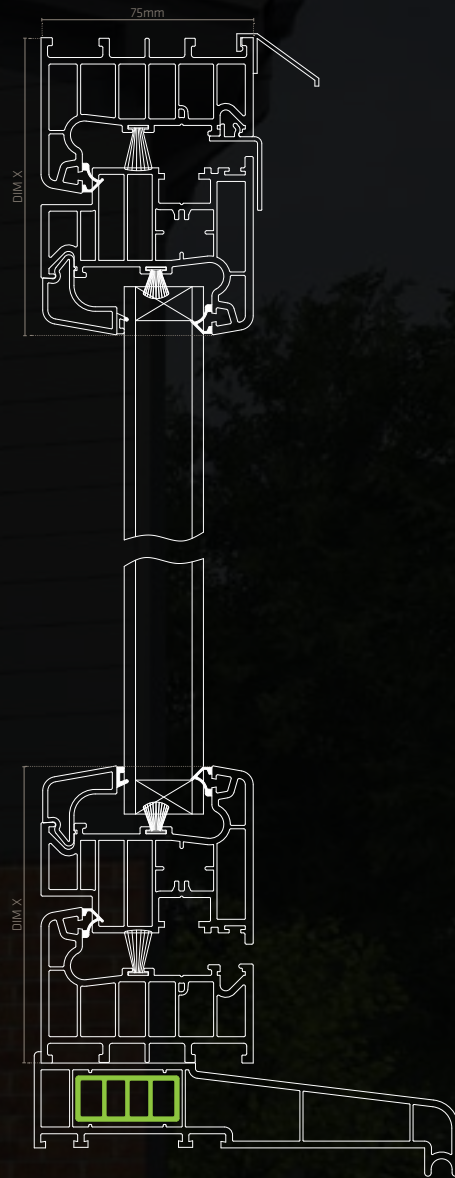
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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.

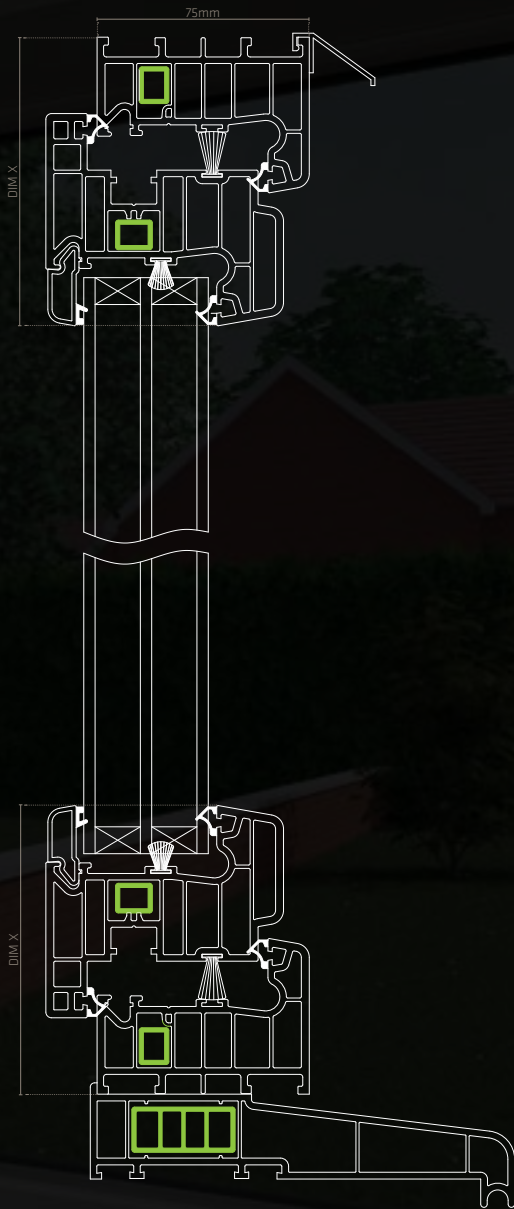
| Min / max sizes | Width (mm) | Height (mm) |
|-----------------------|-----------------------|-----------------------|
| Tilt and turn windows | Min: 550 Max: 1500 | Min: 550 Max: 1500 |

* Dependant on size and location

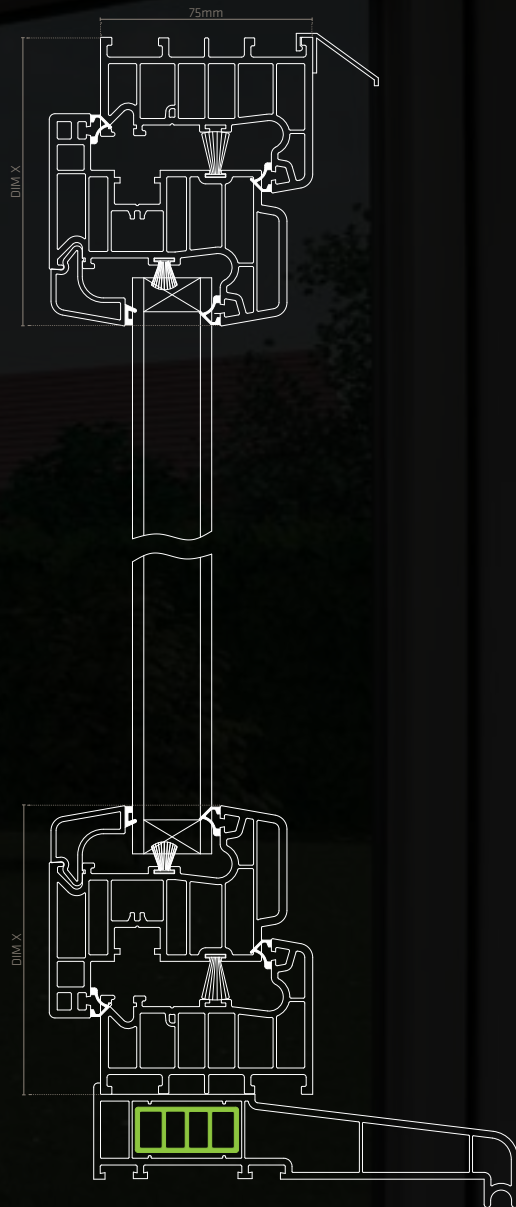
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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

French doors

Width (mm)

Min: 1200
Max: 2000

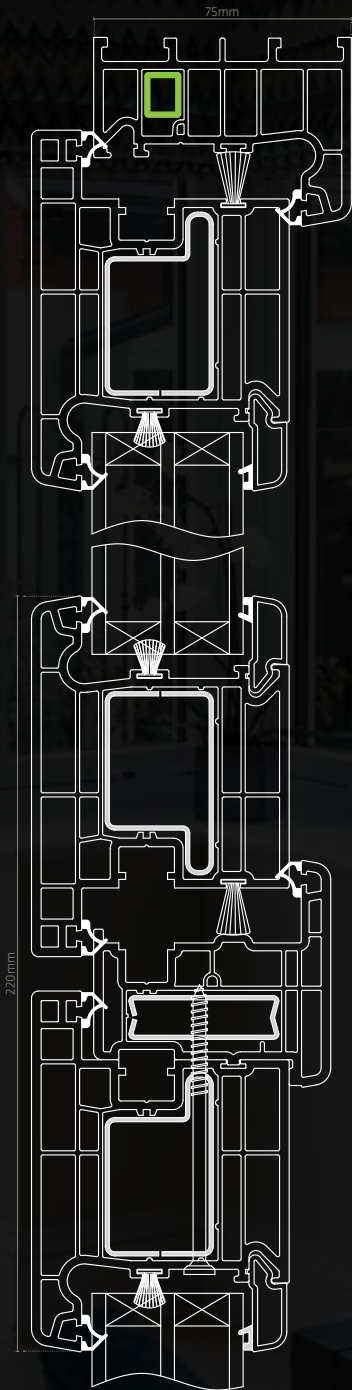
Height (mm)

Min: 1800
Max: 2300

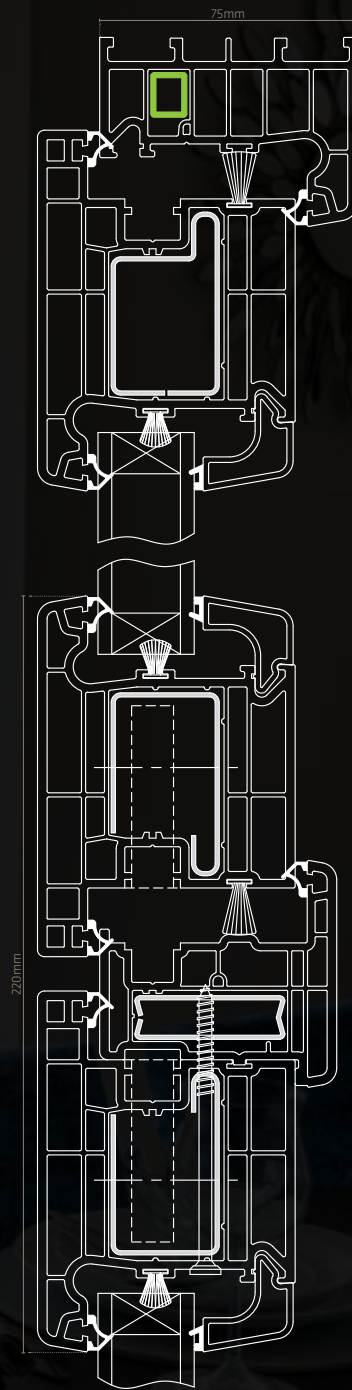
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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

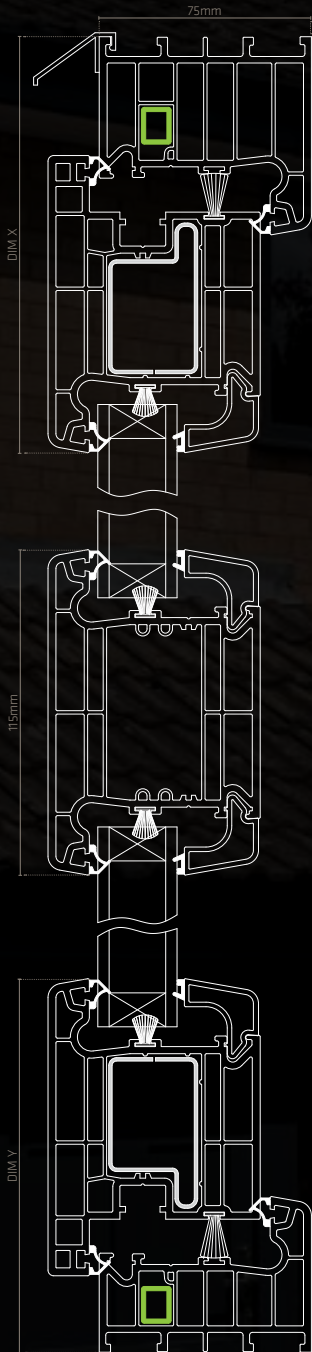
modus entrance doors offer ultimate flexibility. Whether you choose panels or glazing, the design options are plentiful, and even include the ability to mechanically join the transom or mid-rail. As with the French door, an optional third seal can be utilised to improve weather performance and U-values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

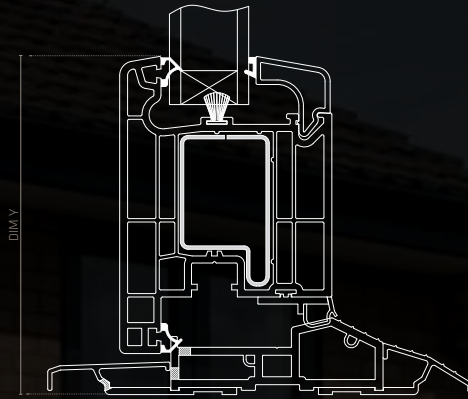
| Config | Glass 1 (external) | Glass 2 (internal) | Glass 3 (internal) | Gas fill | Spacer bar | Reinforcing | WER | Energy index | U value |
|-------------|--------------------|--------------------|--------------------|----------|---------------------|--------------|-----|--------------|---------|
| 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



All together better