



# Specification Guide

A complete guide to all VEKA plc products



Set Standards. **Choose VEKA.**



## ABOUT APS GROUP

**APS Group is the leading supplier of VEKA PVCu systems to the home improvement and construction industry in Ireland. Established in 2001, we have built a strong reputation for delivering high-quality products, dependable logistics, and a consistently professional service.**

Operating across Northern Ireland, the Republic of Ireland, Great Britain and beyond, APS Group supports fabricators, installers, and specifiers with market-leading PVCu solutions backed by technical expertise and dedicated customer support. Our experienced team combines in-depth product knowledge with a proactive sales approach, ensuring every customer receives the right solution for their project.

Quality and compliance are central to everything we do. APS Group holds ISO 9001 and ISO 14001 certification and is accredited by the FSB and Secured by Design, giving our customers complete confidence in both our processes and our products.

We manage our own transport fleet and warehouse operations, allowing us to maintain full control over stockholding, order accuracy, and delivery performance. With just-in-time delivery options, a dedicated order tracking system, and experienced warehouse staff, we ensure a reliable and efficient service from order to site.

APS Group works closely with architects and specifiers, offering support with project-specific specifications, access to full online product manuals, and CPD presentations delivered either at our bespoke training facility at our Lisburn head office or at customer premises.

Our VEKA product portfolio includes the award-winning OMNIA double flush, double rebate window and door system, the performance-leading VEKA M70 system, along with Vertical Sliding windows, Tilt & Turn windows, Patio doors, and French doors - all designed to deliver outstanding performance, aesthetics, and long-term value.

We also have access to a fantastic range of foil colours to choose from, covering woodgrain and matt finishes, as well as finely textured aluminium-look options and the exclusive Feinstruktur foil range only available from VEKA. Learn more about the range in this guide.

At APS Group, we are committed to building long-term partnerships, delivering exceptional service, and supporting the success of every project we are involved in.

**Find out more:**  
**[www.aps-group.co.uk](http://www.aps-group.co.uk)**



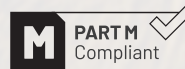
# Quality. Innovation. Sustainability.

With over four decades of operation, VEKA manufactures window and door systems with a focus on quality, sustainability, and product development. Our vision is to be the brand of choice based on a heritage of trust and achieved through investment in our people and products.

VEKA works with fabricators, architects, installers, and homeowners to provide systems that meet industry requirements. By incorporating sustainability measures and ongoing product development, VEKA designs solutions that comply with relevant standards and supports the commitment to long-lasting partnerships throughout the supply chain.

## VEKA

### Compliance Focus



### World-Class Delivery

95%+ On Time In Full performance, ensuring reliable supply.

### Closed-Loop Recycling



VEKA Recycling

VEKA Recycling leads Europe with advanced PVCu reuse.



### Extensive Colour Range

A full suite of profiles available in a wide variety of finishes.



# Contents

## Introduction

**8-9**

Why choose PVCu?

**10-11**

Discover VEKA

**12-25**

The services we offer

- VEKA Recycling
- Supply chain & customer service
- VEKA commercial support
- Testing laboratory & accreditations
- Building regulations & warranty
- Exposure categories & testing guidance
- What we can do for you

**26-33**

Our colour range

- Feinstruktur
- Ex-stock colour range
- MTO colour range

## Product Overview

**36-43**

OMNIA

- Casement Window
- Tilt & Turn Window
- Residential & French Doors

**44-51**

M70 Range

- M70 Casement Window
- M70 Tilt & Turn Window
- M70 Residential & French Doors

**52-55**

Vertical Sliders

- Imagine Vertical Slider

**56-59**

Patio Doors

- Imagine Patio Door Bevelled
- Imagine Patio Door Sculptured

**60-63**

Ancillaries



# Why choose PVCu?



## Durability

The British Plastics Federation (BPF) and the Building Research Establishment (BRE) identified that PVCu windows have a life expectancy of at least 35 years.



## Energy Efficiency

VEKA manufactures window and door frames with a focus on energy efficiency, and produced the UK's first BFRC A-rated PVCu window. Its range also includes recycled profiles that have received industry recognition for environmental performance. The product range now features the Softline 82 – Passivhaus window, a Passivhaus Certified Tilt & Turn design intended to minimise energy loss and support thermal efficiency.



## Weather Resistance

VEKA windows are manufactured from PVCu materials designed to resist common issues such as rotting, peeling, cracking, or warping. They incorporate multiple chambers, co-extruded gaskets, and the option for steel reinforcement.

Additional features, including the availability of triple glazing, contribute to weather-tight performance.



## Recyclability

PVCu windows typically have an average lifespan of around 35 years and can be recycled up to ten times. Through VEKA Recycling, PVCu material is reprocessed for use in new products, supporting resource efficiency.

Recycling PVCu helps to reduce the use of raw materials. At the end of their service life, all parts of the window – including the PVCu profile, glass, hardware, steel or aluminium reinforcement, and gasket – can be recycled.



## Sustainability

In addition to windows and doors that are manufactured to deliver thermal efficiency, some products in the range incorporate recycled post-consumer materials, which supports reduced waste and resource use. These features are intended to contribute to improved environmental performance in building projects.



## Low Maintenance

The PVCu materials used in VEKA windows and doors are designed to require minimal maintenance. This can help reduce the time and costs associated with upkeep for the end client.





# Discover VEKA

VEKA focuses on designing, developing, and extruding PVCu systems for use in windows and doors. Over the years, we've applied technical expertise to manufacturing processes and maintained stable growth, with a product range of PVCu systems that are supplied to fabricators and installers for residential and commercial projects, and are widely used across the industry.



## Heritage

VEKA has been manufacturing PVCu window systems for more than 55 years. Headquartered in Germany and family-owned since 1969, we operate subsidiaries in over 40 countries across Europe, Asia, and America.

We continue to apply our experience to the design and extrusion of PVCu products and have maintained the culture established at our founding. VEKA plc is our UK arm, supplying VEKA, Halo, and OMNIA profile systems, along with products that incorporate recycled PVCu.

Our German heritage combined with British manufacturing means our systems are produced with consistent standards. We remain committed to ongoing product development so that our range evolves in line with technology and market requirements.



## People

Our technical team is available to provide support by phone or email. We can assist with CAD design, BIM, prototyping, and calculations such as wind load or energy performance to help ensure the correct specification for each project.

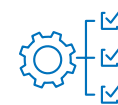
We are experienced in working with PVCu products and have carried out processes including extrusion, fabrication, installation, dismantling, and inspection. This practical knowledge supports our understanding of both the products we manufacture and how they are used in everyday settings.



## Quality

We manufacture our products to meet recognised industry standards. All of our windows and doors carry BSI Kitemark certification, include ten-year guarantees, and our operations are certified to ISO 9001:2015.

We also work to conform to PAS24 requirements and design our systems to support strong thermal performance, including U-value ratings. Testing and quality controls are applied throughout production to help ensure consistent performance of our profiles.



## Choice

We supply a portfolio of systems suitable for residential, commercial, and public sector projects.

In developing our Variations colour range, we focused on the colour and texture of each foil and on ensuring products are available within lead times that support project requirements. We maintain a UK stock holding valued at approximately £8 million, covering more than 5,500 SKUs.



## Product Development

We have been developing PVCu window and door systems for 55 years. Our history includes producing the first A-rated window in the UK and introducing approaches to recycling PVCu materials.

Our product range and services continue to evolve as we apply our knowledge and experience to new technologies and methods of working. We focus on designing solutions that meet industry requirements and support the creation of future living spaces.

Set Standards. **Choose VEKA.**





# The services we offer





**VEKA  
Recycling**

We operate VEKA Recycling, the UK's first PVCu recycling facility, based in Wellingborough.

The site processes end-of-life PVCu windows and doors with an annual recycling capacity of around 25,000 tonnes. A typical PVCu window has an average lifespan of about 35 years and can be recycled up to ten times.

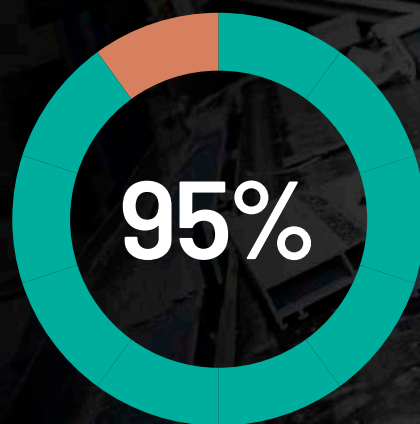
By reprocessing PVCu material, we support resource efficiency and reduce the need for raw materials. At the end of their service life, all parts of a window – including the PVCu profile, glass, hardware, steel or aluminium reinforcement, and gasket – can be recycled through our facility.

In 2024 VEKA  
Recycling processed over

**68,300  
tonnes**  
of PVCu  
across Europe.

In 2024 VEKA  
Recycling diverted

**1.35  
million**  
frames from landfill  
in the UK.



Approximately 95% of the  
PVCu waste collected by  
VEKA is recycled



**PVCu recycling to support  
a circular approach**

We are proud to close the loop on PVCu recycling. We use the latest technologies to create pelletised PVCu which is passed onto approved extruders to make new building products, including new PVCu windows. VEKA's latest ReCore range uses grey recycled PVCu in the core of its products, like the ReCore Cill above.



# Supply chain & customer service

At VEKA, our supply chain is designed for efficiency, reliability, sustainability, and our customer service team is there to help for any query or order. Operating from our advanced manufacturing and distribution facility in Burnley, Lancashire, we serve customers nationwide.



## World-Class On Time In Full

A company that consistently achieves 95% or higher on-time delivery and complete order fulfillment is considered World-Class, and at VEKA performance consistently exceeds 98%. This requires a sophisticated supply chain with robust forecasting, inventory management, and real-time tracking. It also involves strong supplier collaboration, optimised logistics, and continuous improvement.



## Customer Service - The First Line Of Contact

Our friendly and helpful customer service team are on hand Monday - Friday to help with all your orders, queries and questions, ensuring a smooth process from order to delivery.





# VEKA commercial support

VEKA delivers more than just PVCu systems, we offer comprehensive support for every stage of your commercial project. From healthcare to high-rise, our solutions help you meet the demands of modern construction, combining durability, thermal efficiency, and security with smart, specification-ready design.



With decades of hands-on industry experience, our experienced technical team understand both the products and the practical challenges you face.

Digital tools like WinDoPlan and NBS Source make specifying simple, giving you instant access to product data, U-values, and location-specific performance figures. VEKA's systems are also available as BIM objects to streamline collaborative working and ensure accuracy from the outset. With trusted products and expert support, VEKA is your reliable partner for delivering sustainable, regulation-compliant solutions, backed by 55 years of innovation and industry leadership.



# Testing laboratory & accreditations



## Meeting Standards, Supporting Success

In addition to our in-house testing facility where we make sure our products meet and exceed British standards, we have an onsite Technical Team who are here to provide support whenever you need and Technical Service Engineers who can help with set up and queries offsite.



## BSI Kitemark

The BSI Kitemark is an invaluable mark of quality for all sorts of products, but particularly materials and hardware for the construction industry. It's of paramount importance that specifiers, contractors and end users can place complete trust in the fabric of their buildings and we're proud that for over 20 years, all our VEKA plc products have carried that instantly recognisable sign of confidence.



## PAS 24 & Secured By Design

As part of our commitment to providing high-security products for our partners, our systems are rigorously tested to meet PAS 24 standards. When fabricated in line with VEKA plc manuals, they can also be approved under the Secured by Design scheme - the Police Preferred Specification for enhanced security.



## ISO 9001:2015, ISO 50001 and ISO 14001:2015

Our factory at VEKA plc in Burnley, Lancashire has achieved accreditations meeting British standards for quality and environmental management. We are certified to Quality Management System ISO 9001:2008 in the design and manufacture of PVCu window and door components and extrusion and to Environmental Management System ISO 14001:2004 in the design and manufacture of PVCu window and door systems.



# Building regulations & warranty

## Building Regulations



**When correctly fabricated our windows and doors meet building regulation requirements across the United Kingdom and Ireland.**

WinDoPlan can be used to calculate thermal values and wind loads, and the VEKA Technical Team are available to help with any additional building regulation advice.

## Warranty



**The VEKA profile has a warranty of 10 years from the date on the profile, as set out in the terms and conditions of sale.** This shows that the quality of the VEKA profile is high, and that the profile will maintain its shape and be resistant to the effects of weathering as per BS EN 12608.

# Exposure categories & testing guidance



## Testing Guidance

### What is a U-Value?

A U-value is the measurement of heat transferred from one side of a window (or door) to the other. The lower the U-value, the less heat that would be lost through the door or window. The notional value is 1.2 for new builds and 1.4 for existing dwellings. These are calculated for the whole building (walls and windows etc.). For example, a 1.6 u-value for a window is allowable but this needs to be made up elsewhere. The Black & White guide, available on the VEKA UK website, gives specifications for our windows to meet these requirements and how to achieve the U-values in this guide.



## Energy loss (W/m<sup>2</sup>K-value)

### What are Energy Ratings?

Energy ratings are different to U-values. It usually works that there is a trade-off between the two. Energy ratings incorporate G-values, U-values, and air permeability, and they are calculated based on regulation windows (fixed next to opener).

### What is a G-Value?

G-Values are used to measure how much heat is transmitted through a window from the sun's rays.

### Exposure Categories

Exposure categories are specified by the design wind load, and define the classifications required for a specific area. WinDoPlan allows you to calculate the wind load for your project, with a map detailing the windspeed differences across the UK.



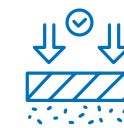
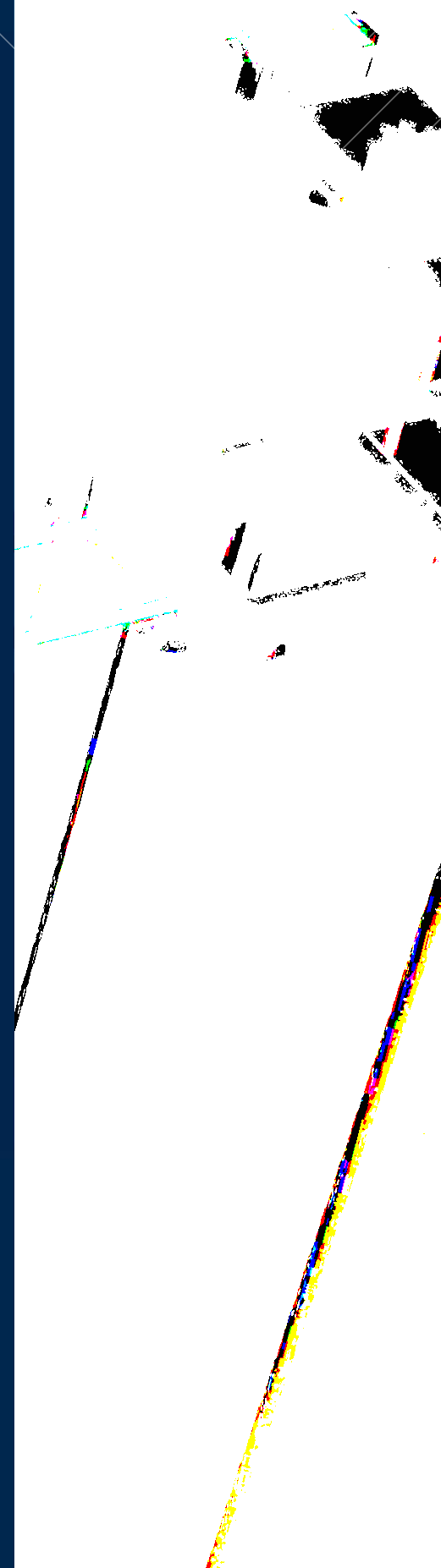
# What we can do for you



## WinDoPlan

### WinDoPlan

- ✓ Exclusive to VEKA and free to use
- ✓ Digital planning and tendering tool
- ✓ Create product specific U-Values
- ✓ Calculate glass area and location specific wind loads
- ✓ Quick access to live technical information
- ✓ PDF, DWG and DXF file downloads



### Extensive Testing

We offer an indicative in-house testing facility for all of our windows and doors.

We work closely with hardware and component manufacturers to ensure that our products not only meet, but exceed all British standards including security, weather testing or cyclic testing.



### NBS Source

VEKA windows and doors are available on NBS (National Building Specification) Source.

You can find all the information for your specification from an expansive catalogue of systems.

Enables a quick and easy addition to digital design specifications.



### BIM Objects

Our windows and doors are available as BIM objects through WinDoPlan.

This provides all the relevant information for your specification and project requirements.



### CAD Design

We can provide a wide range of technical information to assist specifiers including:

- ✓ Feasibility drawings
- ✓ CAD blocks
- ✓ Cross section details

For additional support email

[sales@aps-group.co.uk](mailto:sales@aps-group.co.uk)



# Our colour range





# Feinstruktur

Style with strength

Feinstruktur [*fine structure*] is a decorative foil that offers the practicality of a durable premium finish, with a finely-textured surface that mirrors the sophistication of powder-coated aluminium.

Feinstruktur is not just about aesthetics, but also the innovative technology built into the decorative foil. Tested to VEKA's standards, it boasts a high degree of resilience that resists scratches and repels fingerprints and dirt. It also withstands harmful UV rays, extremes of temperature, and exposure to chemicals and cleaning agents. The result is easy maintenance, and reduced wear and tear on the appearance of your windows and doors.



## Hard wearing and robust

Feinstruktur has a very hard-wearing surface that offers protection against knocks, scratches, and stresses during transportation, installation, and life in the home.



## Reduced thermal absorption

The infrared-reflecting pigments of Feinstruktur significantly reduce thermal absorption, keeping the frame free from warping or twisting so it maintains its shape.



## Resists harsh chemicals

This durable and finely-textured finish is resistant to chemicals, including cleaning agents and alcohol. Cleaning is simple with any hard to remove dirt easily removable.



## Sustainable and recyclable

Feinstruktur is made from sustainable raw materials and is fully recyclable, creating a high quality product that you know can be recycled.

## A Palette for Modern Living

Eight contemporary colours that harmonise with every style of architecture.

Feinstruktur is available in a range of sophisticated shades to create a palette for contemporary or traditional spaces – inside and out. It reflects the latest colour trends while complementing an array of different façades and materials.

01

Anthracite Grey

02

Black

03

Slate Grey

04

Quartz Grey

05

Basalt Grey

06

Silver Grey

07

Umber

08

Traffic White



# Ex-stock colour range

Our full range of 18 ex-stock colours is available across all systems.  
If a colour isn't stocked for a specific product, it can be made to order.\*

## White

Ref	White
Nearest RAL	9010

## Cream

Ref	Crem
Nearest RAL	9001

## Beck Brown

Ref	Blck
Nearest RAL	8022

## Feinstruktur - Black

Ref	BlckFS
Nearest RAL	9005

## Slate Grey

Ref	Site
Nearest RAL	7015

## Sage Green

Ref	Sage
Nearest RAL	-

## Rosewood

Ref	Rose
Nearest RAL	8017

To learn more about the stocked colour range email the APS team:  
[sales@aps-group.co.uk](mailto:sales@aps-group.co.uk)

\*Feinstruktur and SPECTRAL are only available on bevelled or flat surfaces.

## Chartwell Green

Ref	CGrn
Nearest RAL	6019

## Agate Grey

Ref	Agte
Nearest RAL	7038

## Pebble Grey

Ref	Pbbl
Nearest RAL	7032

## Silver Grey

Ref	Silv
Nearest RAL	7001

\*only stocked on sculptured profiles

## Anthracite Grey Smooth

Ref	Anth#
Nearest RAL	7016

## Feinstruktur - Anthracite

Ref	AnthFS
Nearest RAL	7016

All the colours in our Variations ex-stock range, share the same lead time as our standard profile.

## Irish Oak

Ref	loak
Nearest RAL	1011

## Claystone

Ref	Clay
Nearest RAL	-

## Golden Oak

Ref	Goak
Nearest RAL	8001



# MTO colour range

In addition to our ex-stock colour range, we also have a collection of Made-to-Order Colours on an extended lead time. Together with the ex-stock colours there are 43 colour options in total, covering different finishes from woodgrain to matt options.

### Feinstruktur – Slate Grey

Ref            SiteFS  
Nearest RAL    7015

### Anteak

Ref            AnTK  
Nearest RAL    7048

### Dark Green

Ref            DGrn  
Nearest RAL    6009

### Dark Red

Ref            DRed  
Nearest RAL    3011

### Feinstruktur – Quartz Grey

Ref            QuarzFS  
Nearest RAL    7039

### Monument Oak

Ref            MOak  
Nearest RAL    7006

### SPECTRAL – Platinum Grey

Ref            Plat\*  
Nearest RAL    8017

### SPECTRAL – Anthracite Grey

Ref            Anth\*  
Nearest RAL    7016

### Feinstruktur – Silver Grey

Ref            SilvFS  
Nearest RAL    7001

### Regency A

Ref            Rgcy  
Nearest RAL    8017

### Mountain Pine

Ref            MPne  
Nearest RAL    1011

### Natural Oak

Ref            NOak  
Nearest RAL    1002

### Ginger Oak

Ref            Ging  
Nearest RAL    1001

### Light Ivory

Ref            Livy  
Nearest RAL    1015

### Light Oak

Ref            LOak  
Nearest RAL    8008

### Steel Blue

Ref            SBlu  
Nearest RAL    5011

### Balmoral

Ref            Balm  
Nearest RAL    7030

### Feinstruktur – Basalt Grey

Ref            BsItFS  
Nearest RAL    7012

### Feinstruktur – Umber

Ref            UmbrFS  
Nearest RAL    –

### SPECTRAL – Graphite

Ref            Grap\*  
Nearest RAL    9011

### SPECTRAL – Umbra

Ref            Umbr\*  
Nearest RAL    –

### Feinstruktur – Traffic White

Ref            WhiteFS  
Nearest RAL    9016

### Siena PN

Ref            Snna  
Nearest RAL    8028

### Walnut V

Ref            WInt  
Nearest RAL    8028



To learn more about the stocked colour range email the APS team:

[sales@aps-group.co.uk](mailto:sales@aps-group.co.uk)

\*Feinstruktur and SPECTRAL are only available on bevelled or flat surfaces.





# Our product range



OMNIA

# Flush inside and out

Slim profile. Flush fit.  
Designed for consistency  
inside and out.

OMNIA features corners that can replicate the look of traditional timber joints, while trims and beadings are available in contemporary styles. The lines are kept clean and uncluttered for a simple, understated appearance.

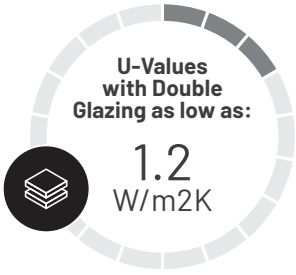
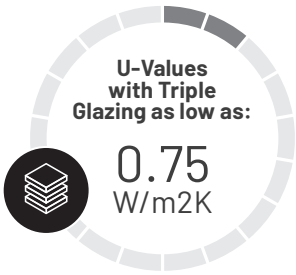
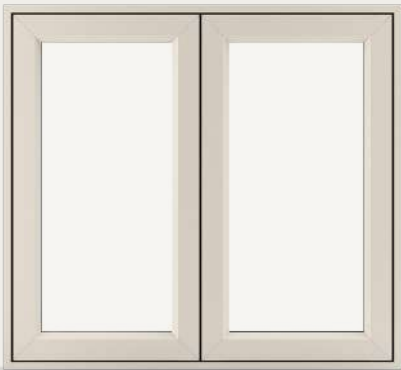
A full suite of products from Casement and Tilt & Turn windows, as well as Residential and French doors. The design maximises visible glass area relative to the frame, helping to increase natural light in the home.





# Casement Window

The OMNIA Casement Window is a part of a pioneering suite of double flush double rebated windows and doors.



Available in a large assortment of colours and woodgrain options from the Variations range

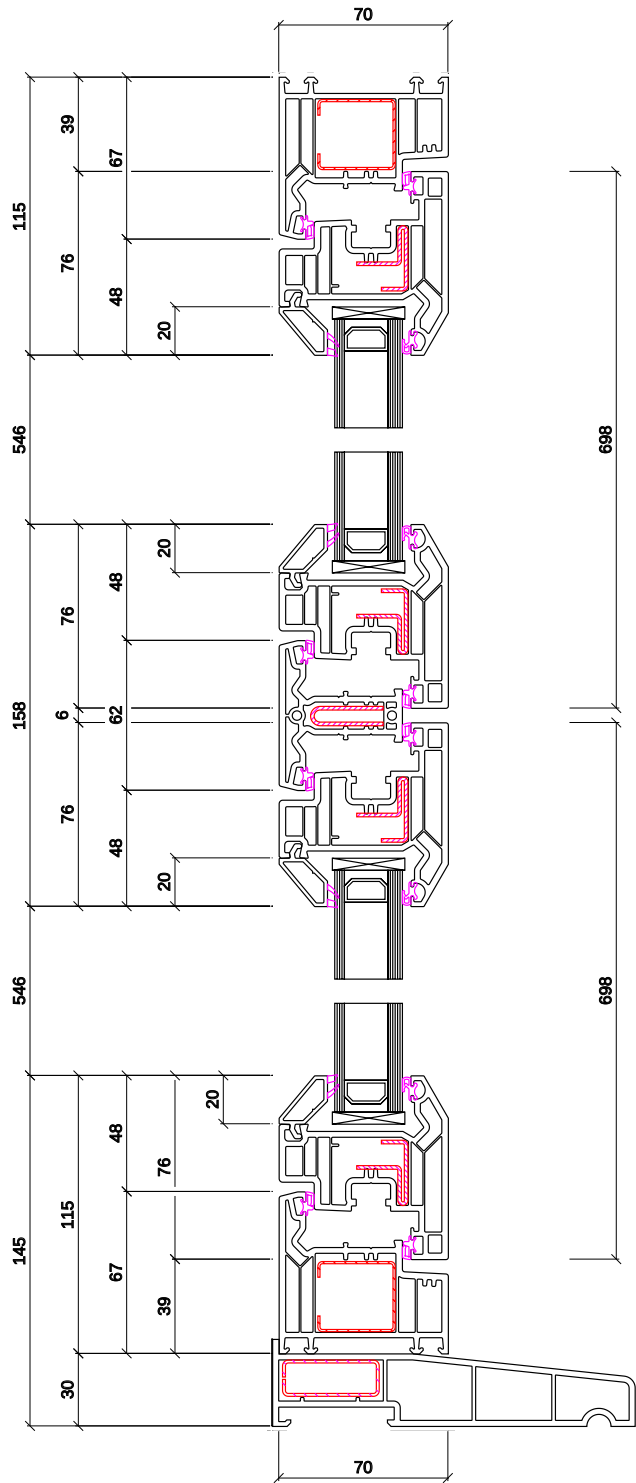
## Test Results

Window type: Top hung	
Max sash sizes (wxh)	1500mm x 1500mm
Air permeability	Class 4
Water tightness	Class 9A
Resistance to wind	A5
Exposure category	2000

Window type: Side hung	
Max sash sizes (wxh)	850mm x 1600mm
Air permeability	Class 4
Water tightness	Class 9A
Resistance to wind	A5
Exposure category	2000



## Technical Drawing



## Features and Benefits

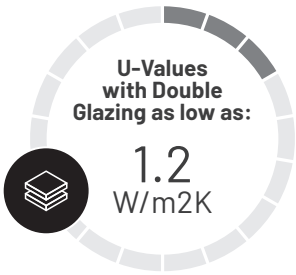
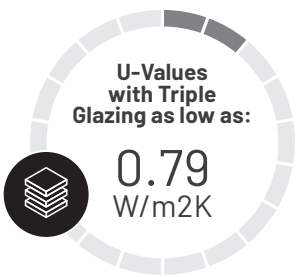
- Modern casement aesthetic**  
Clean lines and sleek profile suitable for both traditional and contemporary styles.
- Traditional timber-style corners**  
For those seeking a classic, authentic look with the durability of modern materials.
- Zero sight-line mullion**  
OMNIA's zero sight-line mullion creates a stunning expansive visual effect that stands out from the standard options in the market.
- Ultra compatibility**  
Compatibility with premium fixtures and fittings as well as high quality hardware complements the OMNIA system, ensuring smooth operation and lasting performance.

Maximum sash sizes	
Top hung:	1500mm (w) x 1500mm (h)
Side hung:	850mm (w) x 1600mm (h)
Fixed light:	3000mm (w) x 3000mm (h)
Outer frames	
55mm and 67mm outer frames	
Mullions	
62mm and 84mm mullions	
Sash	
76mm T or Z sash	
Glazing beads	
• 10mm bevelled	• 28mm rebated
• 28mm bevelled	• 36mm bevelled
• 28mm sculptured	• 40mm bevelled
• 28mm putty	• 44mm bevelled
Ancillaries	
Frame extensions, thermal inserts, cills and weathering trims	
Range of coupling options	
Range of bay pole options	



# Tilt & Turn Window

The OMNIA Tilt and Turn window combines sleek aesthetics with practical performance in a double flush, double rebated design.



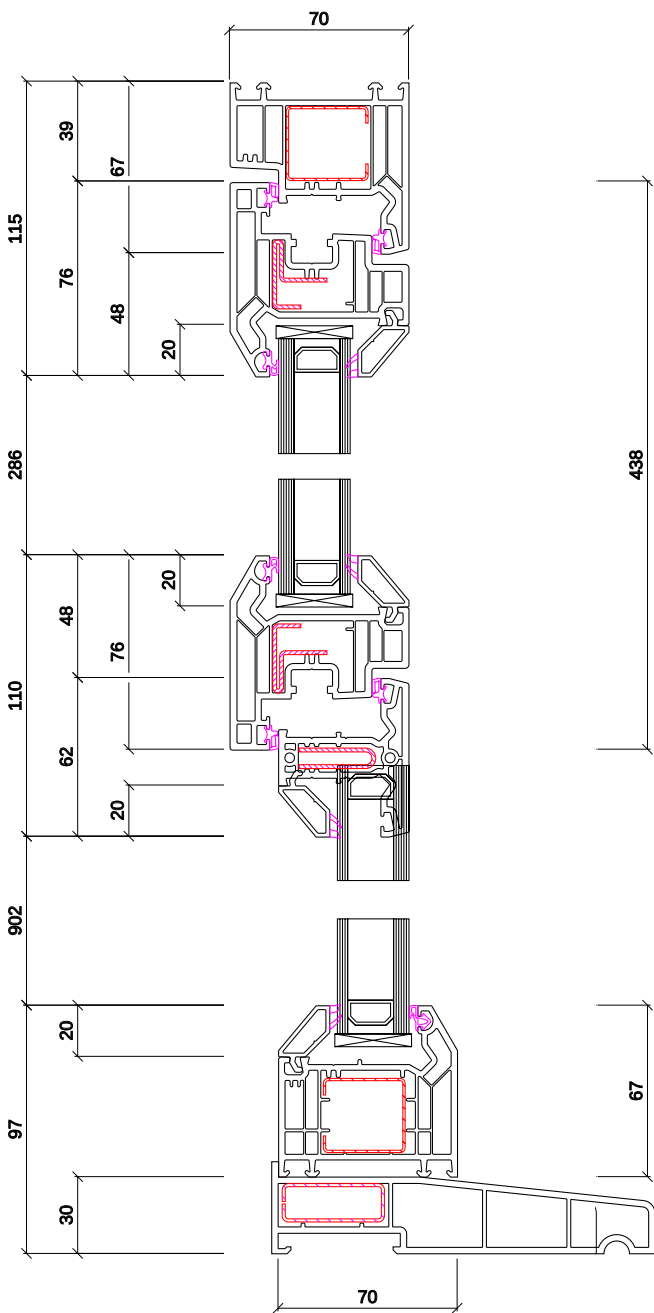
Available in a large assortment of colours and woodgrain options from the Variations range

## Test Results

Window type: Top hung	
Max sash sizes (wxh)	1200mm x 2100mm
Air permeability	Class 4
Water tightness	Class 9A
Resistance to wind	A5
Exposure category	2000+



## Technical Drawing



## Features and Benefits

- Improved ventilation**  
Bringing together the demand for flush with the dual functionality of tilt & turn for improved ventilation.
- Rider block mechanism**  
Helping maintain the integrity of profile during fabrication and installation.
- Effortless installation**  
Designed for quick installation with a flawless finish.
- Aluminium aesthetic**  
When foiled in Feinstruktur, OMNIA double flush windows combine the benefits of PVCu with the look of Aluminium.

**Maximum sash sizes**  
Tilt & Turn: 1200mm (w) x 2100mm (h)

**Outer frames**  
55mm and 67mm outer frames

**Mullions**  
62mm and 84mm mullions

**Sash**  
76mm sash

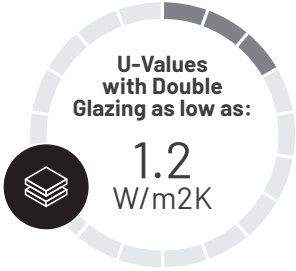
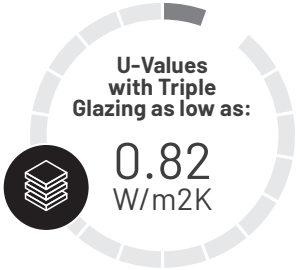
- Glazing beads**
- 10mm bevelled
  - 28mm bevelled
  - 28mm sculptured
  - 28mm putty
  - 28mm rebated
  - 36mm bevelled
  - 40mm bevelled
  - 44mm bevelled

**Ancillaries**  
Frame extensions, thermal inserts, cills and weathering trims  
Range of coupling options  
Range of bay pole options



# Residential & French Doors

OMNIA doors offer the perfect balance of style, security, and performance—built on a robust double flush, double rebated platform.



Available in a large assortment of colours and woodgrain options from the Variations range

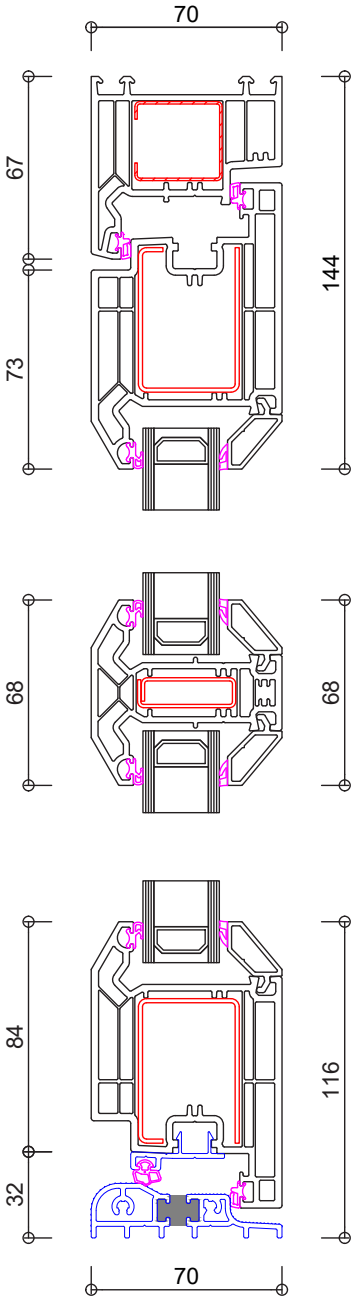
## Test Results

Door type: Single leaf	
Max sash sizes (wxh)	1122mm x 2122mm
Air permeability	Class 2
Water tightness	Class 7A
Resistance to wind	1200
Exposure category	1200

Door type: Double Leaf	
Max sash sizes (wxh)	1122mm x 2122mm
Air permeability	Class 2A
Water tightness	Class 4A
Resistance to wind	1200
Exposure category	1200



## Technical Drawing



## Features and Benefits

- Double flush doors**  
OMNIA doors complete the full suite of double flush options.
- Shadow lines**  
Co-extruded PCE gasket creates shadow line for ease and speed in fabrication.
- Secure smooth-glide operation**  
Created for effortless and secure door movement.
- Aluminium style**  
Create the aluminium door look with Feinstruktur in 8 on-trend colours.

Maximum sash sizes	
Residential: 1122mm (w) x 2122mm (h)	
French Door: 1122mm (w) x 2122mm (h)	
Outer frames	
55mm, 67mm outer frames	
Mullions	Midrail
N/A	115mm midrail
Sash	
105mm door sash	
Glazing beads	
• 28mm putty bead	• 32mm bevelled
• 28mm sculptured	• 36mm bevelled
• 28mm bevelled	• 40mm bevelled
• 32mm sculptured	• 44mm bevelled
Ancillaries	
Frame extensions, cills and weathering trims	
Range of coupling options	
Range of bay pole options	



# M70 Range

The VEKA M70 range delivers a contemporary windows and doors solution defined by its crisp, bevelled design and clean, angular lines - making it an ideal choice for modern architecture and new-build homes. Its intelligently engineered narrow frame profile maximises the glazed area, allowing more natural light to flood into interior spaces while maintaining a refined, minimalist appearance.

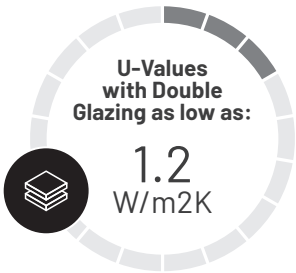
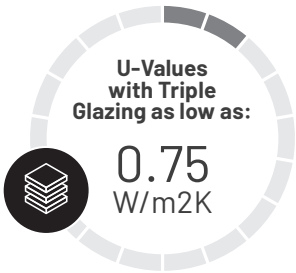
Beyond its modern aesthetics, M70 sets the benchmark for performance. As VEKA's most thermally advanced 70mm casement window system, it can achieve outstanding U-values as low as 0.75 W/m<sup>2</sup>K when triple glazed - helping to meet and exceed the demands of today's energy-efficient homes without compromising on style.





# Casement Window

The M70 casement window offers a contemporary look with slimmer sightlines and leading thermal performance.



Available in a large assortment of colours and woodgrain options from the Variations range

## Test Results

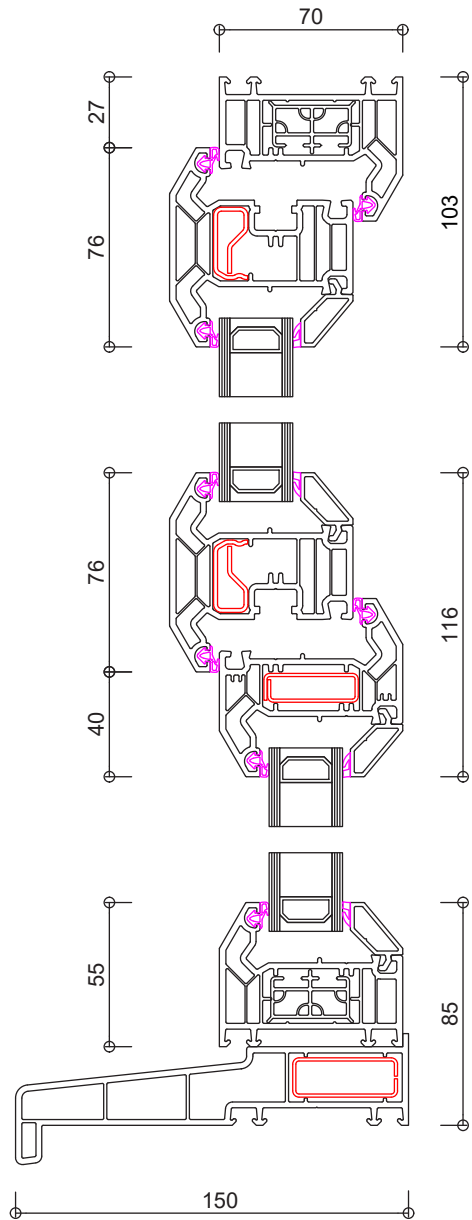
Window type: Top hung reinforced	
Max sash sizes (wxh)	1400mm x 1400mm
Air permeability	Class 4
Water tightness	Class 8A
Resistance to wind	AE2400 Pa
Exposure category	2000+

Window type: Fixed light reinforced	
Max sash sizes (wxh)	3000mm x 3000mm
Air permeability	Class 4
Water tightness	Class E1050
Resistance to wind	AE2400 Pa
Exposure category	2000+

Window type: Side hung reinforced	
Max sash sizes (wxh)	800mm x 1550mm
Air permeability	Class 2
Water tightness	Class 7A
Resistance to wind	A4
Exposure category	1600



## Technical Drawing



## Features and Benefits

- Clean, modern aesthetic**  
The M70 bevelled design gives a crisp, angular look that suits contemporary architecture and new-build homes.
- Slim sightlines**  
Designed with a narrow frame profile, M70 allows more natural light into the room while maximising the glazed area.
- High energy efficiency**  
With multi-chambered profiles and the option to incorporate triple glazing, M70 helps achieve excellent thermal insulation values.
- Low maintenance PVCu**  
The durable PVCu construction resists warping, rotting, and fading, requiring minimal upkeep over time.

Maximum sash sizes	
Top hung:	1400mm (w) x 1400mm (h)
Side hung:	800mm (w) x 1550mm (h)
Fixed light:	3000mm (w) x 3000mm (h)

Outer frames	
55mm, 67mm and 80mm outer frames	

Mullions	
68mm or 82mm mullions	

Sash	
76mm casement sash	

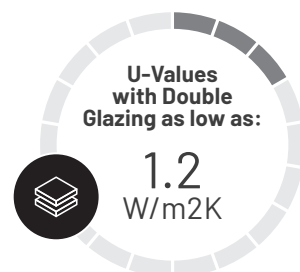
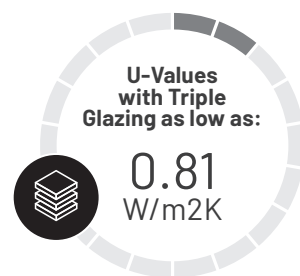
Glazing beads	
• 28mm bevelled	• 40mm bevelled
• 28mm sculptured	• 44mm bevelled
• 36mm bevelled	

Ancillaries	
Frame extensions, cills and weathering trims	
Range of coupling options	
Range of bay pole options	



# Tilt & Turn Window

The M70 Tilt & Turn window offers a contemporary look with slimmer sightlines and leading thermal performance.



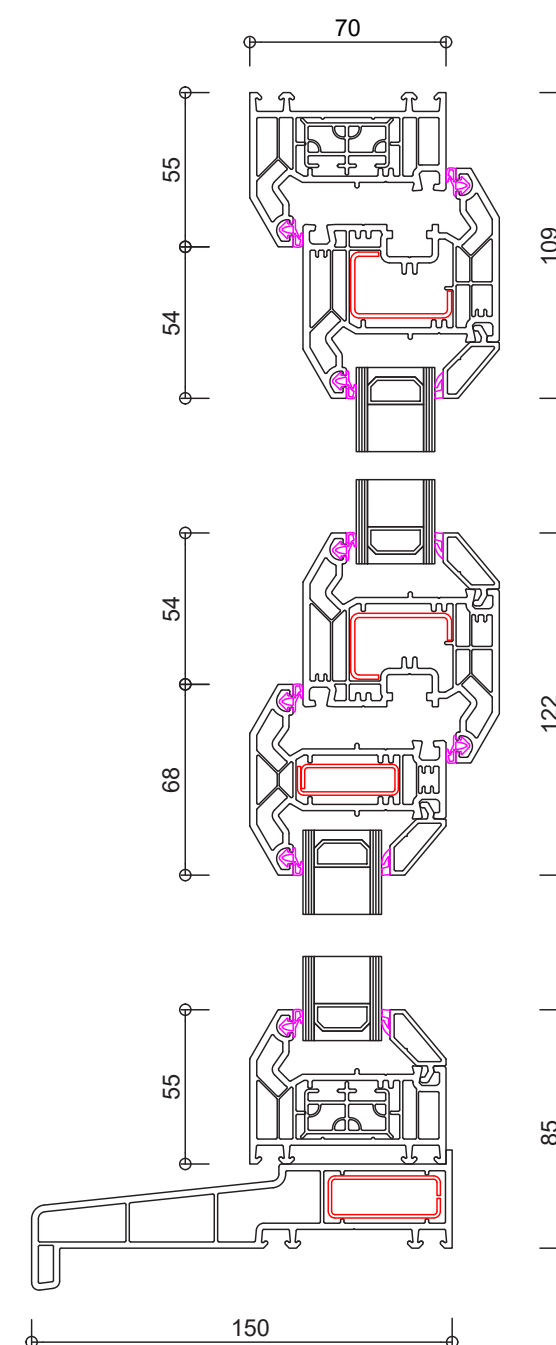
## Test Results

### Window type: Tilt & Turn

Max sash sizes (wxh)	1600mm x 1600mm
Air permeability	Class 3
Water tightness	Class 9A
Resistance to wind	AE2400
Exposure category	2000+



## Technical Drawing



## Features and Benefits



### Modern bevelled design

Crisp, clean sightlines create a contemporary look ideal for new-builds and minimalist styles.



### Dual-action opening

Offers safe, secure ventilation with the tilt function and full inward opening for easy cleaning and access.



### Slimmer sightlines, more light

Narrow profiles maximise glass area, improving natural light and outside views.



### Energy efficient performance

Multi-chambered design supports excellent thermal insulation, helping to lower energy bills.

### Maximum sash sizes

Tilt & Turn: 1600mm (w) x 1600mm (h)

### Outer frames

55mm, 67mm and 80mm outer frames

### Mullions

68mm or 82mm mullions

### Midrail

115mm

### Sash

82mm tilt & turn sash

### Glazing beads

- 28mm bevelled
- 28mm sculptured
- 36mm bevelled
- 40mm bevelled
- 44mm bevelled

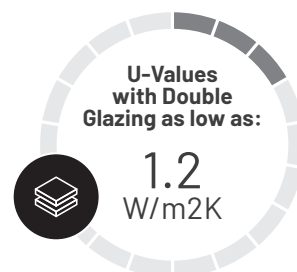
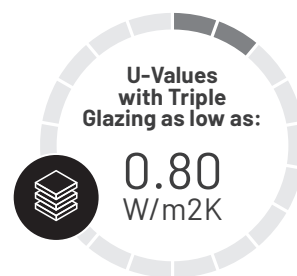
### Ancillaries

Frame extensions, thermal inserts, cills and weathering trims  
Range of coupling options  
Range of bay pole options



# Residential & French Doors

M70 Residential and French Doors offer a stunning and functional product for any type of building.



Available in a large assortment of colours and woodgrain options from the Variations range

## Test Results

### Door type: Single leaf

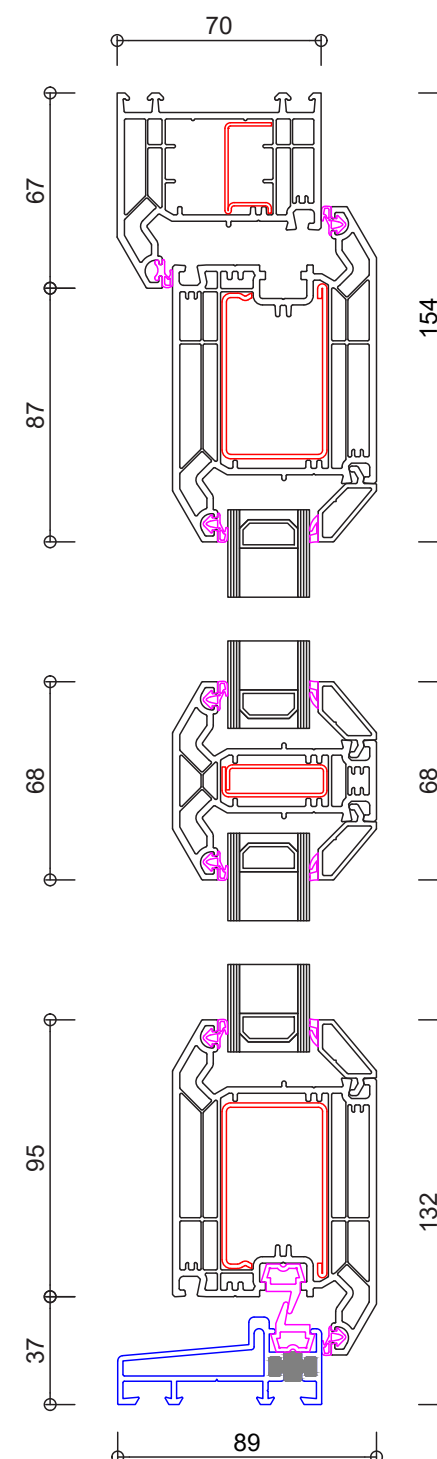
Max sash sizes (wxh)	1122mm x 2122mm
Air permeability	Class 4
Water tightness	Class 7A
Resistance to wind	A3
Exposure category	1200

### Door type: Double leaf

Max sash sizes (wxh)	1122mm x 2122mm
Air permeability	Class 3
Water tightness	Class 7A
Resistance to wind	A3
Exposure category	1200



## Technical Drawing



## Features and Benefits



### Modern bevelled styling

Clean, angular profiles deliver a contemporary aesthetic ideal for modern homes and extensions.



### Slim sightlines

Narrow profiles maximise glazing area and natural light while maintaining strength and security.



### Strong thermal performance

Multi-chambered design helps achieve low U-values and meet building regulations.



### Versatile configurations

Available as single or double (French) doors, with inward or outward opening options and a wide choice of finishes.

### Maximum sash sizes

Residential: 1122mm (w) x 2122mm (h)

French Door: 1122mm (w) x 2122mm (h)

### Outer frames

55mm, 67mm and 80mm outer frames

### Mullions

68mm, 76mm & 82mm T & Z mullions

### Midrail

115mm midrail

### Sash

115mm door sash

### Glazing beads

- 28mm bevelled
- 28mm sculptured
- 36mm bevelled
- 40mm bevelled
- 44mm bevelled

### Ancillaries

Frame extensions, cills and weathering trims  
Range of coupling options  
Range of bay pole options



# Vertical sliders

Vertical Slider windows are designed to replicate the appearance of traditional sash windows. They are commonly specified for heritage buildings where replacement products need to resemble the original style while meeting modern performance standards.

While they provide a close visual match to older timber frames they are manufactured to reduce draughts and improve ease of maintenance compared with traditional designs.





# Vertical Slider

The Imagine Vertical Slider carries the beauty of a classic design combined with performance.

U-Values  
with Double  
Glazing as low as:

1.2  
W/m2K

Available in a large  
assortment of colours  
and woodgrain  
options from  
the Variations  
range

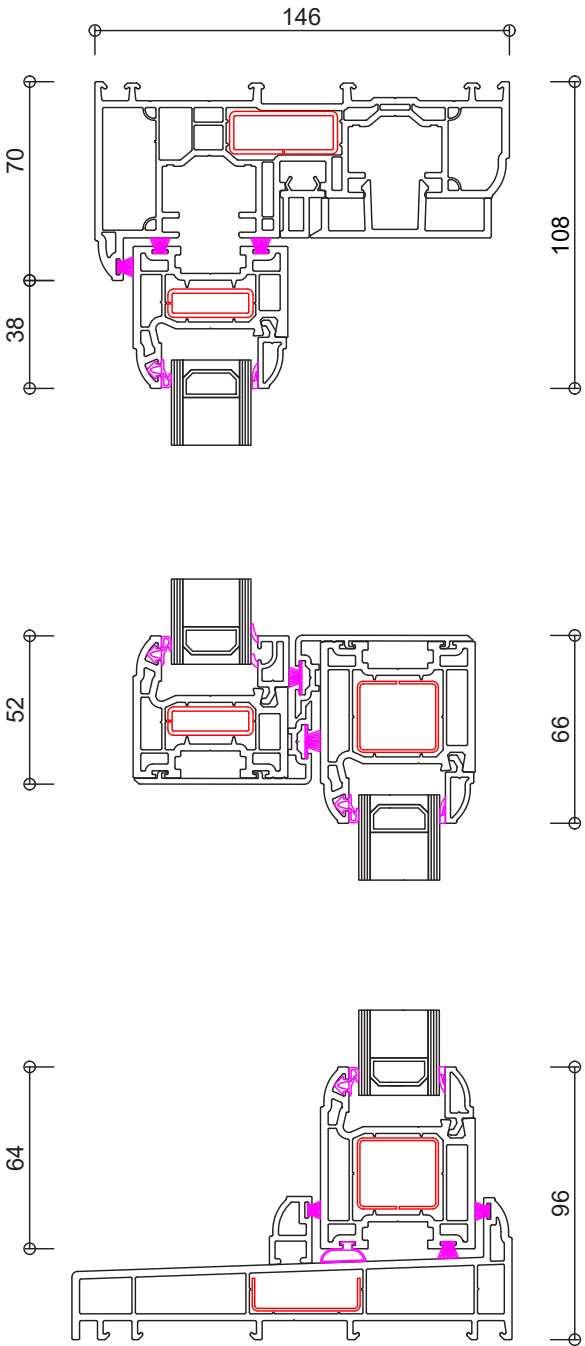


## Test Results

Window type: Vertical Slider	
Max sash sizes (wxh)	1400mm x 2450mm
Air permeability	Class 4
Water tightness	Class 7A
Resistance to wind	BE2400
Exposure category	2400



## Technical Drawing



## Features and Benefits

- Authentic timber-look styling**  
Designed to replicate traditional sash windows with run-through horns, deep bottom rails, and sculptured detailing—ideal for heritage or conservation settings.
- Modern performance, classic design**  
Delivers the look of timber with the benefits of PVCu—low maintenance, high durability, and improved thermal efficiency.
- Smooth slide & tilt operation**  
Both sashes slide vertically and tilt inwards for easy cleaning and ventilation – ideal for upper floors.
- Flexible design options**  
Available in a wide range of heritage colours and woodgrain foils, with options like Georgian bars or sash horns for a bespoke finish.

### Maximum sash sizes

Vertical slider: 1400mm (w) x 2450mm (h)

### Outer frames

146mm outer frame

### Sash

50mm upper sash

64mm lower sash

105mm lower sash bottom rail

### Glazing beads

- 28mm sculptured
- 28mm square

### Ancillaries

Frame extensions, cills and weathering trims

Coupling option

Bay pole option



# Patio doors

## Open up your room.

Patio doors are designed to provide access between indoor and outdoor spaces. Sliding patio doors feature slim sight lines, which increase the visible glass area and reduce the amount of frame, helping to maximise views of the outside.

They are manufactured to support insulation and ease of use, with panels that slide open to allow natural light and ventilation into the home.

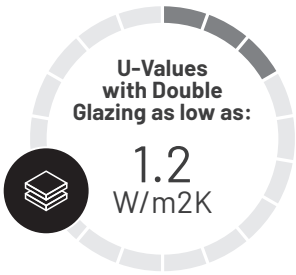
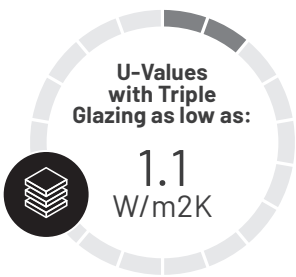




Imagine Patio Door

Bevelled / Sculptured

Imagine Patio Doors link together style and functionality, with clean lines and aesthetics.



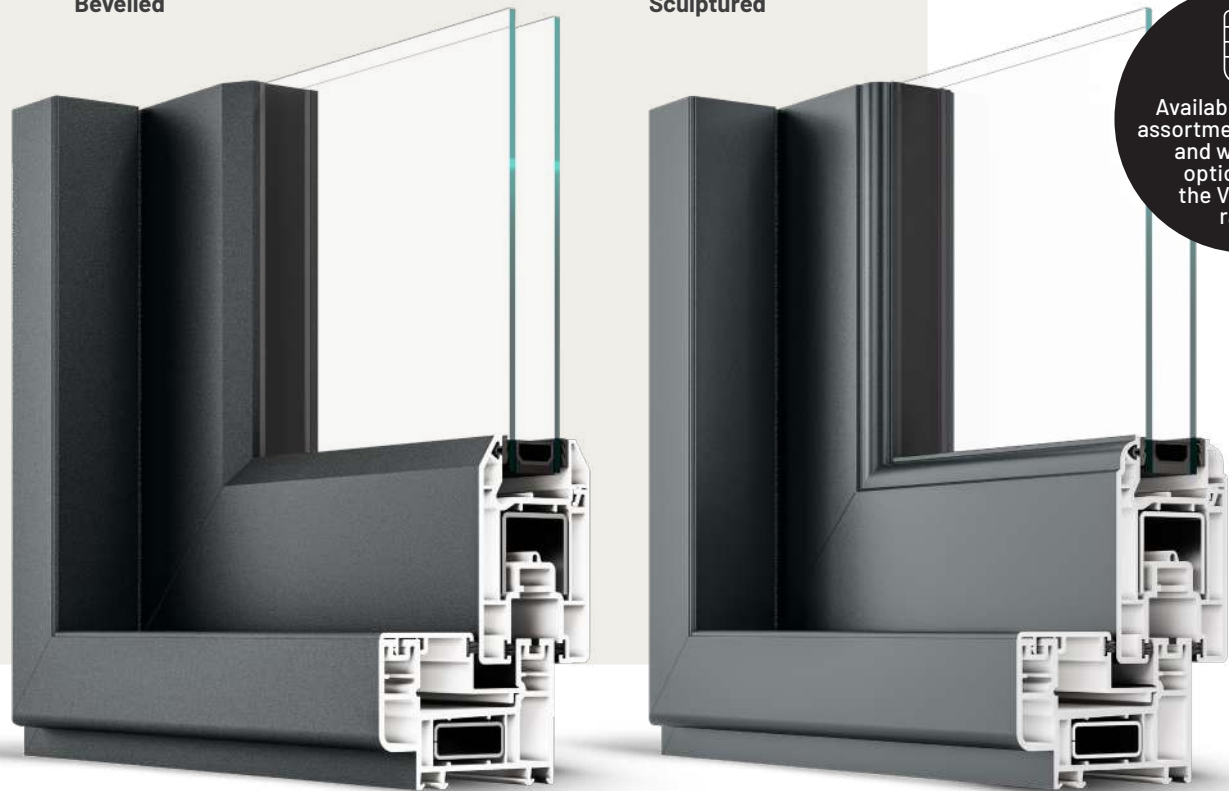
Available in a large assortment of colours and woodgrain options from the Variations range



Bevelled



Sculptured



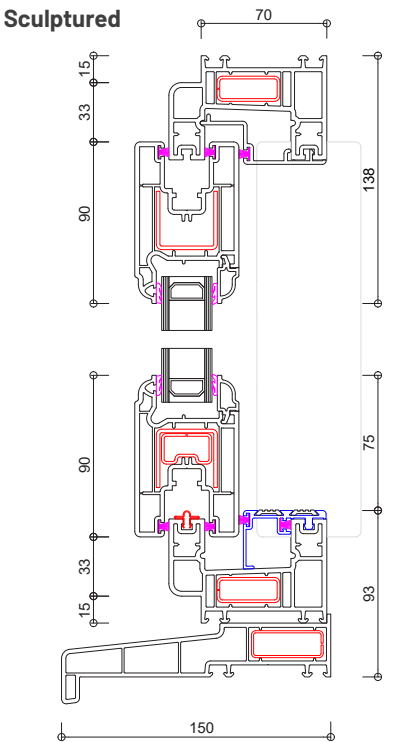
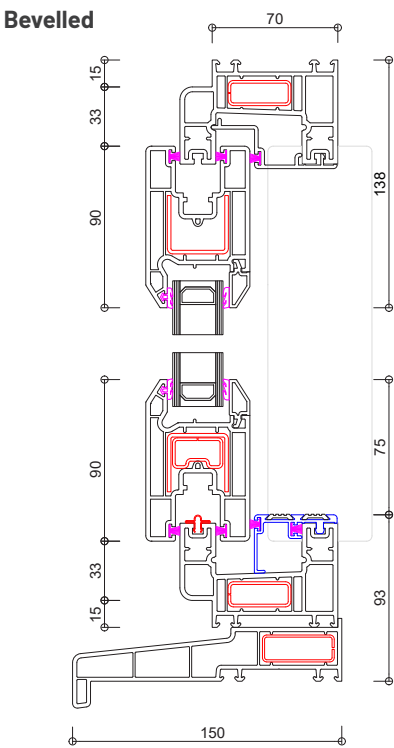
Test Results

Door type: Patio doorsets 2/3/4 pane	
Max sash sizes (wxh)	1053mm x 2074mm
Air permeability	Class 3
Water tightness	Class 5A
Resistance to wind	A3
Exposure category	1200

Door type: Patio doorsets 2/3/4 pane	
Max sash sizes (wxh)	1503mm x 2329mm
Air permeability	Class 2
Water tightness	Class 3A
Resistance to wind	A2
Exposure category	800



Technical Drawing



Features and Benefits

- Slimline aesthetics with maximum glass area**  
Narrow interlock design enhances natural light and outside views—ideal for modern homes and garden rooms.
- Effortless sliding action**  
Precision-engineered track and rollers ensure smooth, quiet sliding with minimal effort.
- Advanced security options**  
PAS 24-accredited with anti-lift design and multi-point locking for peace of mind.
- Flexible configurations**  
Available in 2, 3, or 4-pane layouts with colour-matched ancillaries and optional mid-rails or fixed lights.

Maximum sash sizes	
Patio doorsets 2/3/4:	1053mm (w) x 2074mm (h)
Patio doorsets 2/3/4:	1503mm (w) x 2329mm (h)
Outer frames	
58mm outer frame	
Midrail	
116mm bevelled / sculptured midrail	
Sash	
90mm bevelled / sculptured door sash	
Glazing beads	
• 28mm bevelled	
• 28mm sculptured	
• 32mm bevelled	
Ancillaries	
Frame extensions and cills	



# Ancillaries











aluminium & plastics systems

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