

# FLUSH TILT & TURN



THE BEST WINDOWS ARE MADE FROM



# Flush Tilt & Turn Window System

A clean, streamlined appearance combined with excellent all-round performance makes our Flush Tilt & Turn system perfect for modern architecture where high aesthetic standards and practicality are required.

The externally flush design avoids the overlap typically found in PVC-U systems, with the sash aligned with the frame. Internally glazed – and incorporating all-round high security locking – windows open inwards using reliable and safe tilt-before-turn gearing. Ideally suited to medium or high-rise applications, weather tightness is excellent, and the generous maximum pane size ensures that natural light and ventilation can always be optimised.

The system is equally at home in domestic or commercial installations, in single dwellings, apartment blocks, office accommodation, education or healthcare environments.

## BIM

Building Information Modelling is both maturing and advancing. Originally viewed by many as 3-D representation, BIM platforms now embrace dimensions such as time and cost and have the capacity to revolutionise collaboration and project outcomes. Our contribution – BIM Objects for our systems – ensures there's transparency on standards and processes, supporting the venture and its team in decision making and ensuring that digital information is complete and accessible to all project stakeholders.

You will find the BIM Object relating to the Vertical Sliding system on our website.

**bimst::re**

## RIBA Product Selector

RIBA's resource is freely available and allows you to access our literature and other information about Profile 22. The RIBA website also links through to NBS Plus, the preferred specification system for the construction industry. Here Profile 22 window systems can be instantly added into a project specification by a designer, architect or contractor.

[www.ribaproductselector.com](http://www.ribaproductselector.com)

RIBA 





## Functionality

These Flush Tilt & Turn windows open internally and provide excellent security and weather tightness. The tilt before turn operation provides improved safety and the ability to carry out cleaning without risk – a vital consideration in high-rise applications. Restrictors can be fitted for extra safety in medium-high rise buildings.

In the tilt mode the window offers secure ventilation, an important factor in ground floor installations. The tilt & turn gearing prevents selection from tilt to turn, while in tilt mode and vice versa. Anti-slam is fitted as standard and the gearing is concealed for improved aesthetics.



Turn mode - maximum ventilation and for cleaning of outside pane.



Tilt mode - top ventilation position.

## Features and benefits

- Flush modern design
- No external overlap of frame
- High-performance centre seal system
- Optional 3rd weather seal
- Passivhaus standards with triple glazing
- WER to Band A++
- Max dimension 1500mm x 2200mm
- 28, 36 or 44mm glazing
- Six-chambered sash
- Five-chambered outer frame
- Built in aeroframe™ technology
- Concealed hinges and gearing
- Recycled composite reinforcing
- Safe operation – cannot move directly from tilt to turn
- Anti-slam technology as standard
- Accommodates safety restrictors
- Sash lifter as standard (sashes above 640mm height)
- Extra security around hinge points
- No unsightly cover caps
- 3-dimensional adjustment of the pivot post
- Easily adjustable pivot post and stay hinges
- 28 colours, plus dual options
- Designed and manufactured in Great Britain.





## Performance

This Flush Tilt & Turn window boasts a 6-chamber sash and a 5-chamber outer frame with AeroFrame™ thermal barrier technology. It can achieve an A++ Window Energy Rating using argon-filled triple glazing. By eliminating the need for krypton gas fills, insulation within the profiles or special reinforcing, the system offers a cost-effective way to offer exceptional thermal performance.

The system has been engineered to withstand the elevated conditions and exposure of high-rise developments and has been tested for air permeability, water tightness and wind resistance. The optional third weather seal offers extra protection for more exposed environments.



Class	Test	Pressure
Air permeability	Class 4	600Pa
Water tightness	Class 9A	600Pa
Wind Resistance	BE2400	2400Pa



# Colour options

Profile 22 offer a comprehensive range of internal, external and base colour options to provide the best aesthetic window and door solutions for its commercial clients. With 30 colour options to choose from, and a complementary base colour enhancing the appearance of products coloured on both sides, it's one of the many reasons why Profile 22 is one of the most specified PVC-U systems for all commercial projects, from social housing to student accommodation, and new build to education and healthcare projects.

					
Cream	Claystone	Pebble Grey	Windsor	Sage Smooth	
					
			Agate Grey	Chartwell Green	
<hr/>					
					
Irish Oak	Honey Oak Super-Matt	Light Oak	Pyrite		
<hr/>					
					
AnTeak	Swamp Oak	Rosewood	Black Brown	Flemish Gold Smooth	
<hr/>					
					
White	Dark Red	Steel Blue	Dark Green		
<hr/>					
					
Black Ulti-Matt	Silver D Smooth	Hazy Grey Finesse	Kensington Grey	Buckingham Grey	
					
Basalt Grey Smooth	Slate Grey Finesse	Slate Grey	Anthracite Grey	Anthracite Grey Smooth	



## Why choose Profile 22?

Profile 22 is the UK's leading window and door systems supplier. Part of the Epwin Group, the business has more than 40 years of proven expertise and is committed to excellence and high ethical and environmental standards. A continuing programme of investment in facilities, manufacturing technologies and its people has produced an outstanding range of high-performing products to suit the needs of every sector. Profile 22's systems are the mostly specified, trusted by architects, specifiers and construction professionals alike.

Profile 22 is an ISO 9001 registered business which works to OHSAS 18001 and the ISO 14001 environmental management standard. A member of the VinylPlus initiative, it is committed to sustainable practices.

### Fully supported

We can offer all the support you need. From initial consultations, with no obligation, right through to full specification help, advice and project planning from start to finish.

We have a highly experienced field and office based technical support team and a network of Profile 22 Approved Commercial Manufacturers, whose training, skill and dedication will contribute to the success of your project.

### Fully accredited systems

The Flush Casement system is Secured by Design accredited, giving peace of mind to the end-user. Windows have been tested and approved to PAS24 (enhanced security performance requirements for doorsets and windows in the UK).

The system is manufactured to BES6001, ensuring that its constituent materials have been responsibly sourced, and allowing additional points under BREEAM.



THE BEST WINDOWS ARE MADE FROM **PROFILE22**



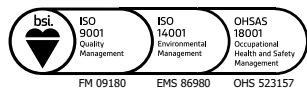
For further information

call 01952 290910

Email: [specifier@profile22.co.uk](mailto:specifier@profile22.co.uk)

[www.profile22.co.uk](http://www.profile22.co.uk)

Profile 22 Systems, Stafford Park 6, Telford, Shropshire, TF3 3AT



BS EN 12608  
KM12895  
PROFILE



BS EN 12608/PAS24  
KM33523  
ENHANCED SECURITY  
WINDOW SYSTEMS  
SUPPLIER



BS EN 12608/PAS24  
KM56791  
ENHANCED SECURITY  
DOOR SYSTEMS  
SUPPLIER



BS 8529/PAS24  
KM594776  
ENHANCED SECURITY  
DOOR SYSTEMS  
SUPPLIER

PROFILE 22 is an international PVC-U profile system supplied to local independent manufacturers and installers who contract to install windows, doors and conservatories. PROFILE 22 SYSTEMS cannot be held accountable for manufacture or installation by independent companies. All information in this publication is provided for guidance only and is given in good faith. As it is company policy to continually improve products, methods and materials, changes of specification may be made from time to time without prior notice. This statement does not affect your statutory rights. © PROFILE 22. Part of the Epwin Group Plc. PR017406

