

FLUSH TILT - TURN



THE BEST WINDOWS ARE MADE FROM



Flush Tilt-Turn window system

Our externally Flush Tilt-Turn window is specially designed to avoid the overlapping of the framework that is often synonymous with PVC-U systems. The sash is neatly positioned inside the frame of the window to create an elegant and sleek 'flush' appearance. The functionality of the window has all round locking, is internally glazed and opens inwards providing excellent security and weather tightness.

Suitable applications

From apartment buildings to housing, to hotels and offices, to hospitals and universities, applications for the Flush Tilt-Turn window are endless. The 70mm Flush Tilt-Turn window is especially suited to medium to high rise buildings and when specifiers are seeking a larger-sized window. The window opening up to 1450 x 2300 mm maximum, allows for a generous flood of natural light and ventilation into the building.

- New build apartments
- Residential housing
- Medium to high-rise buildings
- Hotels
- Offices
- Hospitals
- Universities, colleges, schools and student accommodation
- Other public buildings



RIBA 

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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 at a glance

- Flush, urban and modern design
- No overlapping of framework externally
- High performance centre seal system – optional 3rd weather seal
- Designed to Passivhaus standards to achieve 0.8 with triple glazing. Achieves WER A++
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- Design flexibility with maximum opening size up to 1450 x 2300mm
- Glazing options: 28, 36 & 44mm
- Perfect for medium-high rise buildings
- Range of window styles available in BIM format
- Available in a range of 28 colours including dual options
- Sash is neatly positioned inside the frame
- Six-chambered sash and five-chambered outer frame with “aeroframe” technology
- Concealed hinges & gearing
- Overcomes design issues with traditional tilt-turn windows
- Recycled composite outer frame reinforcement
- Designed & manufactured in Great Britain

Hardware Features

- Fully concealed hinges for attractive aesthetic appearance
- Sash lifter fitted as standard (above 640mm sash height)
- Anti-slam fitted as standard
- Increased security around hinges
- No cover caps required
- 3-dimensional adjustment of the pivot post
- Lateral adjustment of stay hinges and pivot post without loosening screws



Thermal and weathering performance

This Flush Tilt-Turn window boasts a 6-chamber sash and a 5-chamber outer frame, which achieves a WER 'A++' rating when glazed with argon-filled triple glazing.

The system eliminates the need for expensive Krypton gas filled units, insulation in the profiles or expensive special reinforcing; therefore reducing cost. Also allows for greater thermal performance through its complex 'thermal barrier' technology.



Test	Value
Air permeability	600Pa
Water tightness	450Pa
Wind Resistance	2400Pa

Weather rating tested to BS 6375-1:2009



Stock colours



Anthracite Grey /
White PVC-U
(White Base)



Anthracite Grey Smooth
/ Anthracite Grey
Smooth (Grey Base)



Anthracite Grey
Smooth / White PVC-U
(White Base)



Black Brown /
White PVC-U
(White Base)

Choice of foil colours

 Dark Red	 Brilliant Blue	 Steel Blue	 Dark Green
 Chartwell Green	 Agate Grey	 Anthracite Grey	 Anthracite Grey (smooth)
 Signal Grey (smooth)	 Basalt Grey	 Hazy Grey	 Slate Grey
 Mahogany	 Rosewood	 Light Oak	 Natural Oak FL-G
 Rustic Oak 1	 Dark Oak FL-F1	 Swamp Oak ST-F	 Walnut V
 English Oak	 Black Brown	 White	 Cream
 Irish Oak	 Slate Grey (Finesse)	 Siena PR	 AnTeak

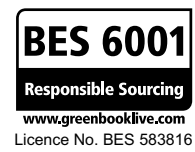
To discuss any specific colour requirements please contact us.





Fully accredited system

The window is 'Secured by Design' accredited giving peace of mind to the end-user that the product meets police approval for security and ensures the windows are tested and approved to PAS24:2012 - enhanced security performance requirements for doorsets and windows in the UK. Certified manufactured to BES6001 proving our products have been made with constituent materials that have been responsibly sourced and allows additional points under BREEAM.



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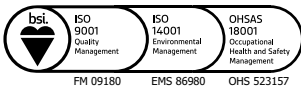
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PROFILE



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