



58BW

Optio Tilt Before Turn Window

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Experts in Aluminium

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Optio Tilt Before Turn Window

Built to the highest UK standards, this effective and high performance solution offers clean lines and advanced functionality. Available in a 70mm frame depth, tilt before turn windows are the perfect choice for both residential and light commercial projects, whether new build or renovation. Windows can also be made to project in or out.



DESIGN FEATURES

- Certified under the Secured By Design scheme
- Tested to PAS 24
- Green guide rated B
- Integrated deep head profiles for ease of trickle ventilation
- Unique polyamide thermal break design to improve thermal performance

OPTIONS

- 70mm frame depth
- Project in or project out options
- Internally or externally glazed to accommodate low and high rise projects
- Glazing 24mm – 40mm
- Available in a range of single or dual colour and anodised finishes
- Available in the following aesthetics: Chamfered and Square
- Available in the following configurations: fixed light
- Dedicated fixing straps for ease of installation
- Designed with a Euro groove to accommodate standard locking hardware

SPECIFICATIONS

Performance and accreditation

Performance and accreditation	Inward opening
U-value (double glazing)	1.4 W/m ² K
U-value (triple glazing)	1.2 W/m ² K
Window energy rating (WER)	B - C
Green guide rating	A rated
Acoustic performance (dB)	Rw (C:Ctr) 42 (-1;-5) dB
Air tightness (Pa)	Class 4 (600 Pa)
Water tightness (Pa)	Class 9a (600 Pa)
Wind load (Pa)	Class E2400 (2400 Pa)
Security	PAS 24
3rd party certification	Q-mark
Secured by design	Yes

Configurations

Configurations	Inward opening
Opening	Open in
Fixed light	✓

Size limits

Size limits	Inward opening
Top hung (max weight)	180 Kg
Side hung (max weight)	55 Kg
Bottom hung (max weight)	60 Kg (3 hinges)
Fixed light (max weight)	250 Kg

System features

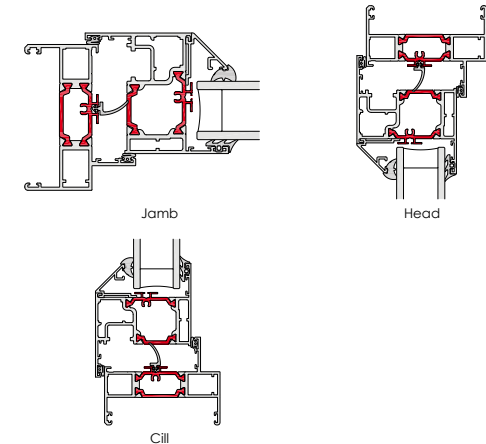
System features	Inward opening
Frame depth	70mm
Dual colour option	✓
Multi-point locking	✓
Glazing options	Internal and external bead
Glazing thickness	24mm - 40mm
Sightline (Frame to Vent)	75mm
Sightline (Vent to Mullion)	89mm
Sightline (Fixed Light)	43mm

Aesthetics

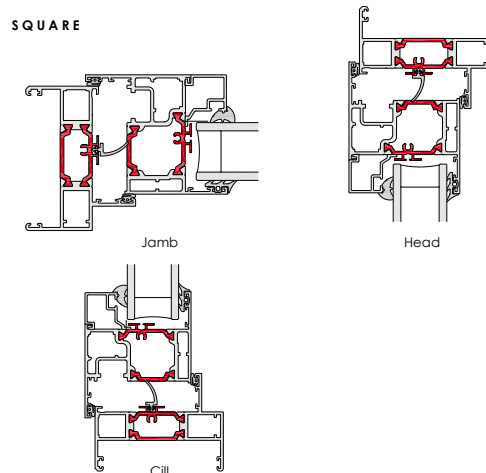
Aesthetics	Inward opening
Chamfered	✓
Square	✓

CAD CROSS SECTIONS

CHAMFERED



SQUARE



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U-Value (Double Glazing) - Windows are calculated using EN ISO 10077 - Part 2, 1230mm x 1480mm Side hung next to fixed light with Ug: 1.0 W/m²K using AW603 outerframe and AW610 vent
U-Value (Triple Glazing) - Windows are calculated using EN ISO 10077 - Part 2, 1230mm x 1480mm Side hung next to fixed light with Ug: 0.7 W/m²K using AW603 outerframe and AW610 vent
Green Guide Rating - Calculated using the Green Guide 2008 ratings for domestic windows, Powder Coated Aluminium window (Profile <0.88kg/m) double glazed
Acoustic Performance (dB) - Tested using AW605 outerframe and AW620 vent, 10/16/8.4mm Acoustic Laminated Glass
Top Hung (max weight) - Based upon Sterling SPT26 top hung friction stay
Side Hung (max weight) - Based upon Securistyle Sterling SPSH16 side hung friction stay
Bottom Hung (max weight) - Based upon 3 x RW20M hinges