



SPW600e Inward Opening Tilt & Turn Window System

Technical Datasheet

Scope

The SPW600e Inward Opening Tilt & Turn window has been designed to meet current building regulations. This is a three chamber 75mm polyamide window system with the option for easy thermal inserts to improve thermal performance. It is capable of accepting glazing up to 56mm thick.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

Finishes

SPW600e Inward Opening Tilt & Turn window sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

Construction

SPW600e is constructed using mitred corners, joined with crimped or mechanical cleats; alignment chevrons assist in clean, accurate mitres. Integral transoms and mullions are scribed around the outer frames and fixed with either screw ports or shear blocks. A proprietary sealant is used on all metal joints in line with good practice. Opening window frames are designed to be inserted into the outer frames using specialist gearing.

Environmental

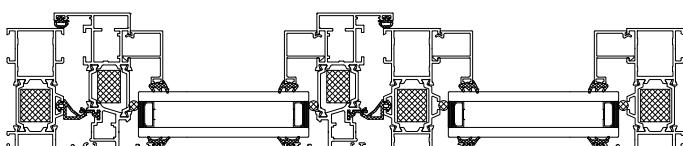
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Typical Sizes	Width (mm)	Height (mm)
Inward Opening Tilt & Turn	1500	2400
*Average U-values		
Residential CEN standard (Double Glazed)	1.5 W/m ² K	
Residential CEN standard (Triple Glazed)	1.1 W/m ² K	
Commercial CEN standard (Double Glazed)	1.5 W/m ² K	
Commercial CEN standard (Triple Glazed)	1.1 W/m ² K	
Glazing		
Thickness	28mm - 56mm	
Testing		
Security	PAS24 & SBD	
BS6375 -1	Air Permeability 600Pa Water Tightness 600Pa	
BS6375 -2	Wind Resistance 2400Pa	
Acoustics		
Acoustics performance (IGU Dependent)	47dB reduction is achievable	

*All calculations are based on CEN sized windows at 1230mm x 1480mm.

Test certifications available upon request.



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