



# PURe® Tilt & Turn Open In Window System

## Technical Datasheet

### Scope

The PURe® Tilt & Turn Open In window has been designed to meet current and future building regulations, with impressive thermal performance. PURe® is an evolved generation of aluminium window systems manufactured in the UK. It combines the long life and low maintenance of powder coated aluminium with a patented high insulation PUR foam thermal barrier. PURe® Inward Opening Tilt & Turn windows are capable of accepting glazing up to 50mm thick.



\*Image for indicative purposes only

### 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

PURe® Tilt & Turn Open In window sections are available typically in two 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.

### Construction

PURe® is constructed using mitred corners, joined with crimped cleats; alignment chevrons assist in clean, accurate mitres. Integral transoms and mullions are scribed around the outer frames and fixed with either screwports or shearblocks.

A proprietary sealant is used on all metal joints in line with good practice. Opening window frames are designed to be inserted directly into the outer frames using specialist gearing.

### Environmental

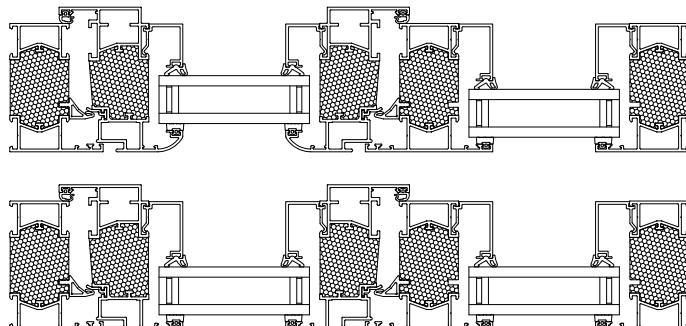
Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001, ISO 45001 and BES6001 standards. When used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment, (which therefore involves the Green Guide specification) can offer significant benefits. For project specific assistance, please contact our specification team.

Typical Sizes	Width (mm)	Height (mm)
Tilt & Turn Open In	1500	2400*
<b>**Average U-Values</b>		
Residential CEN standard (Double Glazed)	1.2 W/m <sup>2</sup> K	
Residential CEN standard (Triple Glazed)	0.75 W/m <sup>2</sup> K	
Commercial CEN standard (Double Glazed)	1.1 W/m <sup>2</sup> K	
Commercial CEN standard (Triple Glazed)	0.71 W/m <sup>2</sup> K	
<b>Glazing</b>		
Thickness	28mm - 50mm (48mm for radius)	
<b>Testing</b>		
Security	PAS24 & SBD	
	Air Permeability 600Pa	
BS6375 -1	Water Tightness 600Pa	
	Wind Resistance 2400Pa	
BS6375 - 2	✓	
<b>Acoustics</b>		
Acoustics performance (IGU Dependent)	43dB reduction is achievable	

\* See manual for ratio

\*\*All calculations are based on CEN sized windows at 1230mm x 1480mm ±25%.

Test certifications available upon request.



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