



SPECIFICATION:

The Crealco Serene window and door system is designed for both single and double glazing allowing for strong thermal efficiency characteristics.

The Crealco Serene Tilt and Turn window is developed and tested to meet AAAMSA A4 standards. If manufactured according to prescribed Wispeco Aluminium guidelines, the system complies with South African National Building Regulations.

PERFORMANCE TEST	TEST CONDITION	MEASURED RESULT	ALLOWED RESULT
Negative Pressure	2000Pa	N/A	OK
Positive Pressure	2000Pa	N/A	OK
Water Penetration	No leakage at 400Pa	No leakage at 400Pa	OK
Structural Pressure	3000Pa	N/A	OK
Air Infiltration	2 l/s/m ²	1.5 l/s/m ²	OK

TYPICAL U-VALUES (W/m²-K):

When tested for thermal efficiency, the Crealco Serene Tilt and Turn window system receives a good U-value rating of 3.6W/m²-K with window dimensions of 1185mm by 1485mm and double glazing.

SAFIERA ENERGY RATING CERTIFICATION: Certificate # FS 0004

Serene

Mechanical Properties: SANS 613:2011

Thermal Transmittance: ASTM C NFRC 102-2004

Tested U-value including 25mm double glazed glass PFG IGDB 16019

U-VALUE	3.67W/m ² -K
SHGC	
AIR INFILTRATION	1.42 l/m ² /s
DESIGN WIND LOAD	2500Pa

For further information and assistance regarding our product U-values and SHGC-values, the Wispeco U-Solve calculator can be downloaded on www.u-solve.co.za, which allows the user to design any window configuration within the specified parameters.

****To ensure for the appropriate care and preservation of the crealco products, please refer to the Wispeco Installation, Cleaning and Maintenance Procedures manual.**



Contact our world:
Tel: 0860 CREALCO (273 2526)
info@crealco.co.za
www.crealco.co.za



Heavy Duty Tilt and Turn Window and Door



The Crealco Serene tilt and turn door system is the latest European style aluminium system to be manufactured with high quality imported Roto hardware. This versatile system is characterised by broad, smooth, rounded edges and beautifully finished to create a modern, sophisticated look.

As part of its versatility the Crealco Serene can be designed as a hinged door or casement window, but also as an innovative tilt and turn opening system. The distinctive inwards tilting feature allows for natural airflow. An ideal product for high-end residential and modern commercial buildings.

This energy efficient aluminium window and door system is produced locally.

FEATURES

The Crealco Serene is designed to:

- Be thermally efficient
- Be suitable for both single and double glazing
- Keep your home cool during summer and retain heat in winter
- Be used with the adjustable Crealco Horizon shutters to control the natural light in your home
- Seal tightly

COMPLIANCE

Our systems are designed to conform to all relevant building regulations:

- SANS 10400 Part N: Safety Glazing Regulations
- SANS 10400 Part XA: Energy Usage in Buildings
- SANS 613: Mechanical Performance of Fenestration
- SANS 204: Energy Efficiency in Buildings

CONFIGURATIONS

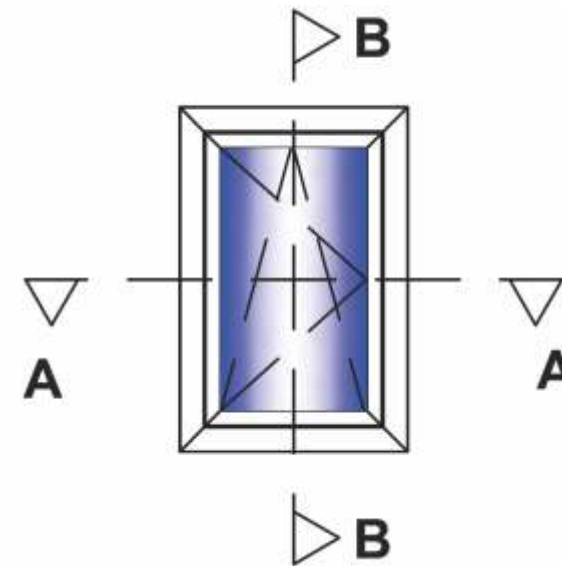
The Crealco Serene can be designed for multiple opening configurations:

Outward opening

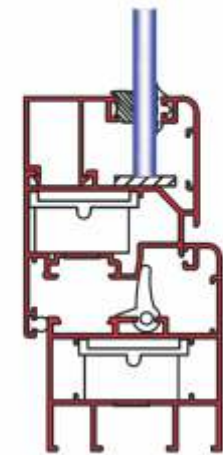
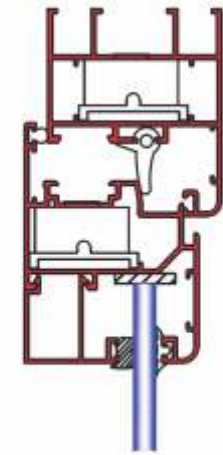
- Casement top hung or side hung windows
- Hinged door with or without sill

Inward opening

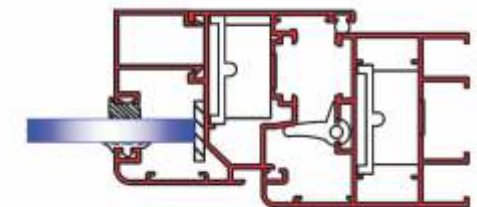
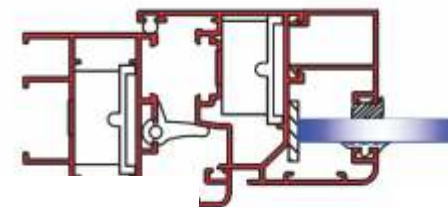
- Casement top hung or side hung windows
- Hinged doors with or without sill
- Tilt-and-Turn doors and windows
- With or without shutters



ELEVATION



SECTION B-B



SECTION A-A