

VENTEC ELITE



OUTWARD OPENING WINDOW

IDEAL FOR: STAIRWELLS, LOBBIES & CORRIDORS



400 SERIES COMPATIBLE 24 VOLT 1 - 10 ZONES 4A - 20A OPTIONS

Product Summary

The Elite bottom hung outward opening window system, supplied with fire rated glass and gaskets and available in a choice of finishes, is BS EN12101-2 certified. It is ideal for smoke ventilation applications and as a natural ventilation window suitable for passive day-to-day use. The universal design allows single or multiple units to be fitted to most facade systems or wall types.

ASSEMBLY GROOVES

Groove system allows for cable laying and simple drive bracket assembly and smooth adjustment. Grooves covered by masking strips in colours matching the frame.

ALUMINIUM PROFILES

Multi-chamber profiles with polyamide thermal separators, Anti-corrosive protection of aluminium through anodising. Frame profile width 75mm, leaf profile 84mm.

GLAZING UNIT

High class 50mm thick triple-glazing unit with thermally insulated frame. Deep window pane fixing guarantees optimal temperature on the internal surface of the glazing, which prevents water condensation.

COLOURS

Rich colour range according to RAL palette, availability of structural and wood-resembling colours, anode, bicolour.

EXTERNAL AND INTERNAL FINISHING

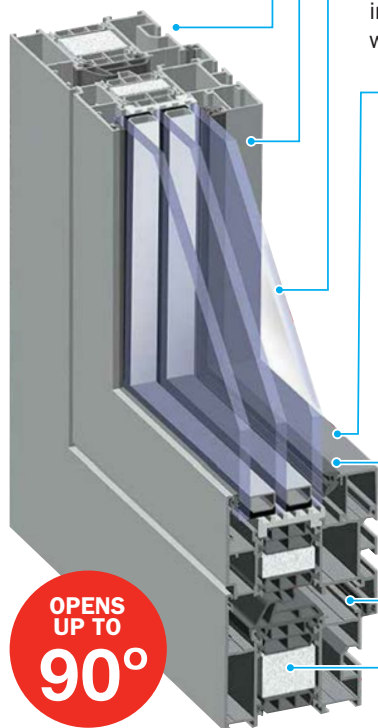
Glazing strips available in rectangular and round options.

TIGHTNESS

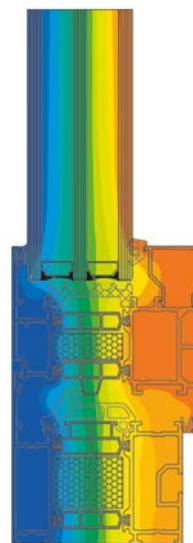
Increased tightness parameters designed using a system of three advanced seals with a middle seal.

THERMAL INSERTS

Profiles with additional inserts eliminate thermal bridges and increase the total thermal insulation value of the window.



OPENS UP TO **90°**



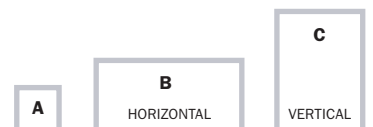
Energy Efficiency

Optimal isotherm pattern in Ventec ELITE window system has been achieved thanks to appropriate arrangement of aluminium profile chambers equipped with polyamide separators, multi-surface seal system and application of additional thermal inserts.

U-value up to **0,8** W/m² K

Thanks to deep window pane fixing in the leaf profile, and application of additional thermal inserts in the leaf and frame, we have eliminated the water condensation on the internal side of the window.

Nominal Sizes Available*



A	Minimum nominal size	800mm x 800mm
B	Maximum nominal size – horizontal arrangement	2700mm (W) x 1300mm (H)
C	Maximum nominal size – vertical arrangement	1600mm (W) x 2200mm (H)

* Smaller and larger sizes are available, but they may not be compliant with BS EN12101 UK Smoke Standards.

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Technical Data

	60° opening Elite to achieve 1m ² GFA (example size)	60° opening Elite to achieve 1.5m ² GFA (example size)	90° opening Elite to achieve 1m ² GFA (example size)	90° opening Elite to achieve 1.5m ² GFA (example size)
Width x Height (mm)	TBC	TBC	1100mm x 1200mm	1200mm x 1600mm
Certification	BS EN12101-2	BS EN12101-2	BS EN12101-2	BS EN12101-2
Vent Opening Angle	60°	60°	90°	90°
Opening Direction	Outward	Outward	Outward	Outward
Handling	Bottom hinged	Bottom hinged	Bottom hinged	Bottom hinged
Geometric Free Area	TBC	TBC	1.03m ²	1.57m ²
Voltage	24v	24v	24v	24v
Current Consumption (amps)	2x TBA amps	2x TBA amps	2x 2.6 amps	2x 2.6 amps
Colour Options	RAL palette	RAL palette	RAL palette	RAL palette
Glazing Options	Double or triple glazed	Double or triple glazed	Double or triple glazed	Double or triple glazed
Actuator Type Options	Spindle	Spindle	Spindle	Spindle
Reliability – Smoke Extraction	Re 1000	Re 1000	Re 1000	Re 1000
Reliability – Daily Ventilation	Re 10000	Re 10000	Re 10000	Re 10000
Opening Time	< 60 seconds	< 60 seconds	< 60 seconds	< 60 seconds
Snow Load	SL 0	SL 0	SL 0	SL 0
Wind Load	WL 1500	WL 1500	WL 1500	WL 1500
Operating Temperature Low	T(0°)	T(0°)	T(0°)	T(0°)
Resistance Temperature High	B 300	B 300	B 300	B 300
FP Wiring Type	FP PLUS	FP PLUS	FP PLUS	FP PLUS
Number Of Core	2-Core + Earth	2-Core + Earth	2-Core + Earth	2-Core + Earth



Related Products and Services

The following should also be considered when planning your system.



INSTALLATION
& MAINTENANCE



400 SERIES
BATTERY BACKUP



PROJECT
COMMISSIONING



400 SERIES
WEATHER STATION