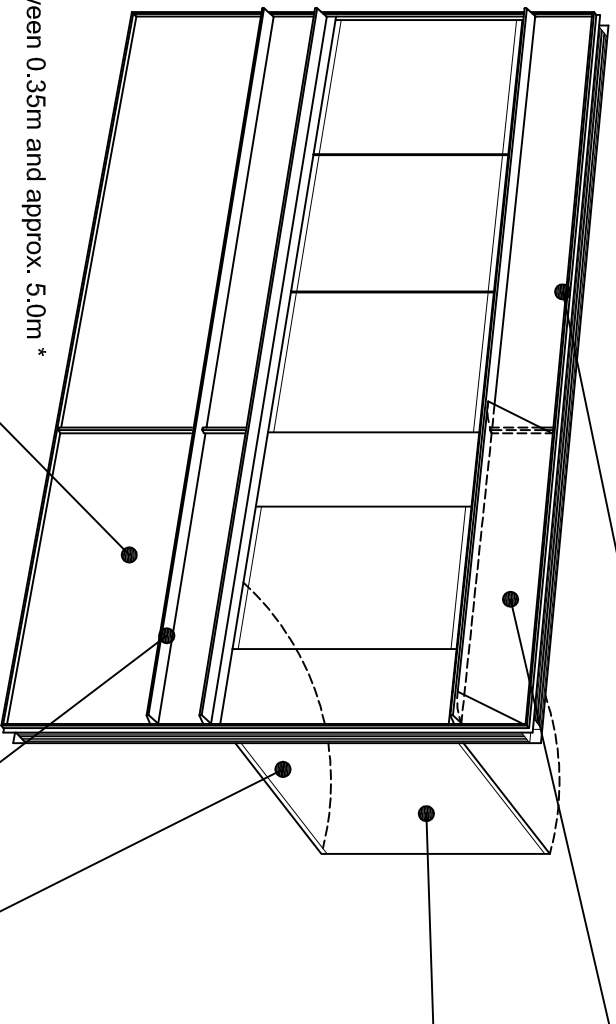


Design possibilities and limits of Window System 1000 with folding glass and top light



Height up to approx. 3.3m*



Width between 0.35m and approx. 5.0m *

Railing section.

The railing section can be supplied in upto 3 horizontal sections. The horizontal sections can be divided with vertical mullions. The maximum width of any section is 3m, where the width exceeds this vertical mullions need to be incorporated. The infill material can be 4.0mm - 4.8mm or 6.0mm - 6.8mm or 20 mm thick.

The width to height ratio of glass infill must not exceed 1:10.

Typical infill options:

- 6mm high density coloured Formica board
- 6.38mm opal laminated float glass
- 6.38mm clear laminated float glass

Trickle ventilation

Trickle ventilation can be installed in the element where 6mm thick glass is used. The free area for ventilation is approx. 40cm²/m .

Top hung vent

Top hung, unframed glass, either 6mm toughened safety glass or a 20mm double glazed unit.

Width: 300mm - 1600mm (400 - 1200mm with a double glazed unit)

Height: 190mm - 450mm (200 - 450mm with a double glazed unit)

Folding glass

Folding glass can be supplied unframed in 6mm, 8mm or 10mm toughened glass or framed in 20mm thick double glazed sealed unit.

Height of the opening section is between: 600mm & 1800mm

Width of the opening section is between: 500mm & 900mm

Height of a side hung glass is between: 400mm & 1800mm

Width of a side hung glass is between: 250mm & 1000mm

Where a double glazed unit is selected, the max. height is 1600mm. Height of the opening glass should not be greater than 2.5 times the width.

The element can be supplied with up to 8 folding glasses where the glass is opening in one direction and 10 glasses when opening in both directions.

The element can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

When the glasses open in both directions (single glazed only) the first opening glass is supplied with a sliding pole fitting, the rest of the glasses open in the normal way.

The number of opening glasses is also determined by the loading on the glass. Folding glass (and it's frame) needs to be able to accommodate the imposed wind load.

Degree of opening

The folding glass will open upto 90° as standard, if required it can be opened up to 130° with a modification.

Aluminium extrusions

The Window System 1000 can use profiles of different sizes and strengths. Profile dimensions are dependant upon the size of the element and the load imposed on the system.

* Height and width dimensions

The maximum height and width dimension of the element is subject to the wind and service loads imposed on the system.