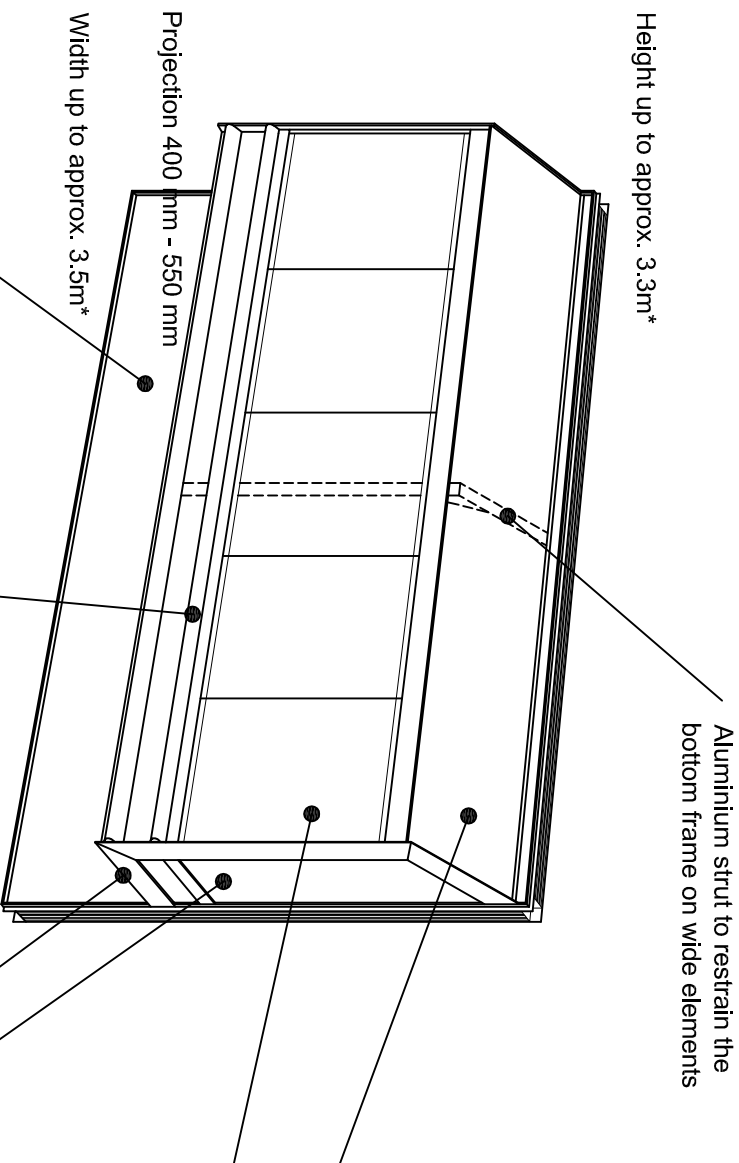


Design possibilities and limits of Windoor System 1000 - Arium



Height up to approx. 3.3m*

Aluminium strut to restrain the bottom frame on wide elements

Projection 400 mm - 550 mm

Width up to approx. 3.5m*

Railing section.

An infill width of upto a max. 3m beyond this the area must be divided with mullions

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.

Aluminium extrusions

The Windoor 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.

General

The Arium can be provided without the glass section underneath the folding glass section and also without the railing section.

The Arium can be supplied with hand rails.

The floor in the arium shall have a height, so you are not encouraged to stand in the arium (on the arium floor). If the level of the floor is low and the height of the arium is big enough for a person to stand in the arium, the authorities can demand the floor calculated as a balcony floor. The arium is not designed for this case. There is a possibility that the authority can approve that you sit on the arium floor. At larger width it can be necessary to restrain the bottom frame by installing an aluminium strut in the arium.

Glass roof

6mm toughened glass or 14mm double glazed sealed unit

Roof pitch is always 45°.

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

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 6 folding glasses

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.

Folding glass (and it's frame) needs to be able to accommodate the imposed wind load.

Gable end

6mm glass, Formica or 12mm thick double glazed sealed unit

Floor of the Arium

6mm Formica or 8mm class A fire rated material.

The bottom of the floor can be supplied with 2mm thick aluminium plate, coated to match the aluminium profiles.

* 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.