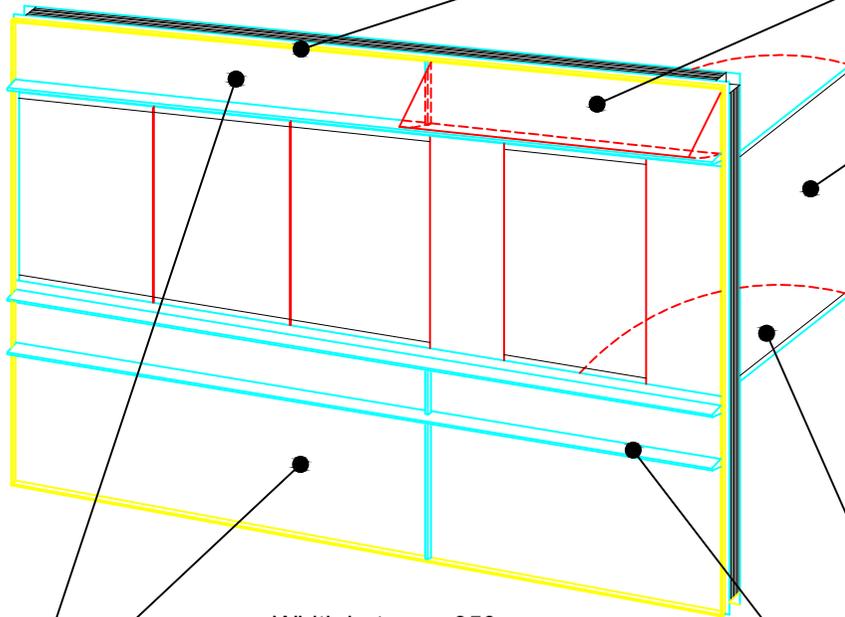


Design possibilities and limits of Window System 100 with folding glass and top light



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Width between 350 mm and approx. 5000 mm *

Fillings

The railing section can be supplied in up to 5 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: Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm

Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm

Inside glazing bead: 4.0 - 9.0 mm

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 6 - 7 mm thick glass is used. The free area for ventilation is approx. 40cm²/m.

Top hung vent

Top hung, unframed glass, 6mm toughened safety glass

Width: 300 - 1600 mm

Height: 190 - 450 mm

Folding glass

Folding glass can be supplied with.

Light system, with 6, 8 or 10 mm toughened glass *.

Silhouette system, framed with 6 mm float glass or toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit.

Folding glass (and its frame) needs to be able to accommodate the imposed wind load, and can normally be made like in the following:

Height of the hatch is between: 600 & 1800 mm*

Width of the hatch is between: 500 & 900 mm

Width of fixed before and after min 250 mm

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

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

Where a double glazed unit is selected, the max. height is 1600 mm.

Height of the opening glass should not be greater than 2.5 times the width.

The system can be supplied with up to 7 folding glasses where the glass is opening in one direction, the Light system can have up to 10 glasses when opening in both directions, when the glasses open in both directions the first opening glass in both side is supplied with a bar locker.

Light and Silhouette system can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

Silhouette and Shadow can be supplied with a transom

Degree of opening

The folding glass will open up to 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°)

Aluminium extrusions

The Window System 100 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, with element wide more than 2200 mm there have to be mounted a post in the top section.

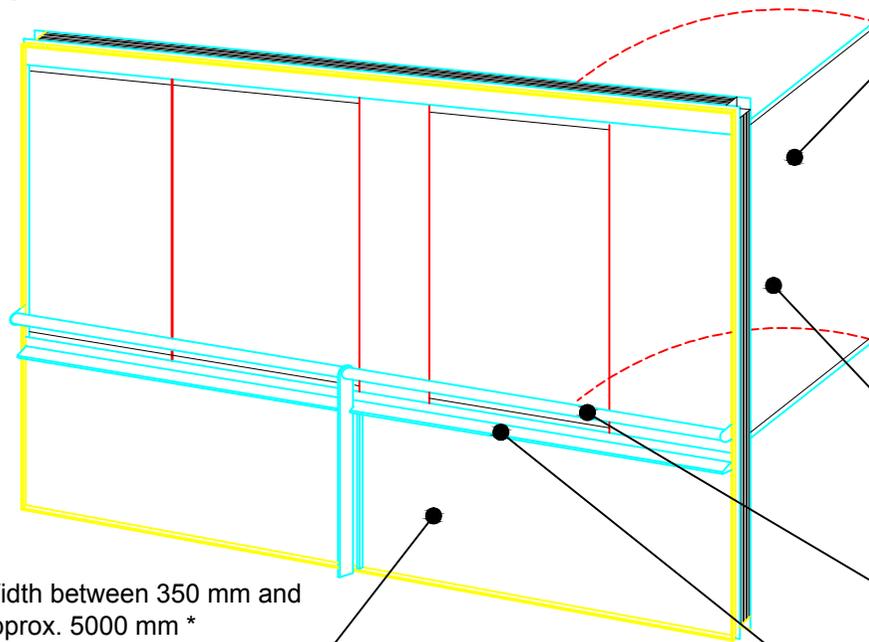
* Height and width dimensions

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

Design possibilities and limits of Windowor System 100 with folding glass with safety rails



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Width between 350 mm and approx. 5000 mm *

Fillings

The railing section can be supplied in up to 5 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: Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm
Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm
Inside glazing bead: 4.0 - 9.0 mm

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

Folding glass

Folding glass can be supplied with.

Light system, with 6, 8 or 10 mm toughened glass *.

Silhouette system, framed with 6 mm float glass or toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit.

Folding glass (and it's frame) needs to be able to accomidate the imposed wind load, and can normaly be made like in the folowing:

Height of the hatch is between: 600 & 1800 mm*

Width of the hatch is between: 500 & 900 mm

Width of fixed before and after min 250 mm

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

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

Where a double glazed unit is selected, the max. height is 1600 mm.

Height of the opening glass should not be greater than 2.5 times the width.

The system can be supplied with up to 7 folding glasses where the glass is opening in one direction, the Light system can have up to 10 glasses when opening in both directions, when the glasses open in both directions the first opening glass in both side is supplied with a bar locker.

Light and Silhouette system can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

Silhouette and Shadow can be supplied with a transom

Degree of opening

The folding glass will open upto 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°)

Hand rails

The element can be supplied with up to two hand rails.

Hand rails can be supplied as ø50, ø54 or an elipse shape 40x80 mm.

Where the length of the hand rail exceeds 2400mm an intermediate support will be incorporated.

Aluminium extrusions

The Windowor System 100 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.

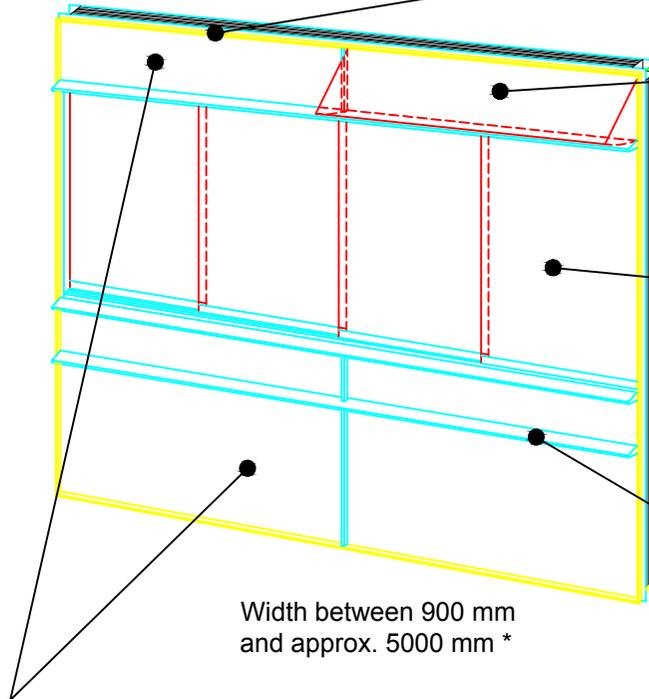
* Height and width dimensions

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

Design possibilities and limits of Window System 100 with sliding glass and top light



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Width between 900 mm and approx. 5000 mm *

Fillings

The railing section can be supplied in up to 5 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: Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm
Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm
Inside glazing bead: 4.0 - 9.0 mm

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 6 - 7 mm thick glass is used. The free area for ventilation is approx. 40cm²

Top hung vent

Top hung, unframed ventilator, glazed in 6mm toughened safety glass
Width: 300 - 1600 mm
Height: 190 - 450mm

Sliding glass

Sliding glass is supplied as 6mm toughened glass. The element can be supplied with 2, 3 or 4 sliding glasses where the glass is opening in one direction and 7 glasses when opening in both directions. Each glass can be supplied complete with a brush strip seal. The glass needs to be able to accommodate the imposed wind load, and can normally be made like in the following:
Height of the opening glass: 150 - 1600 mm*
Width of the opening glass: 400 - 1200 mm
Height of the opening glass is not normally greater than 2.5 times the width.

Aluminium extrusions

The Window System 100 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, with element wide more than 2200 mm there have to be mounted a post in the top section.

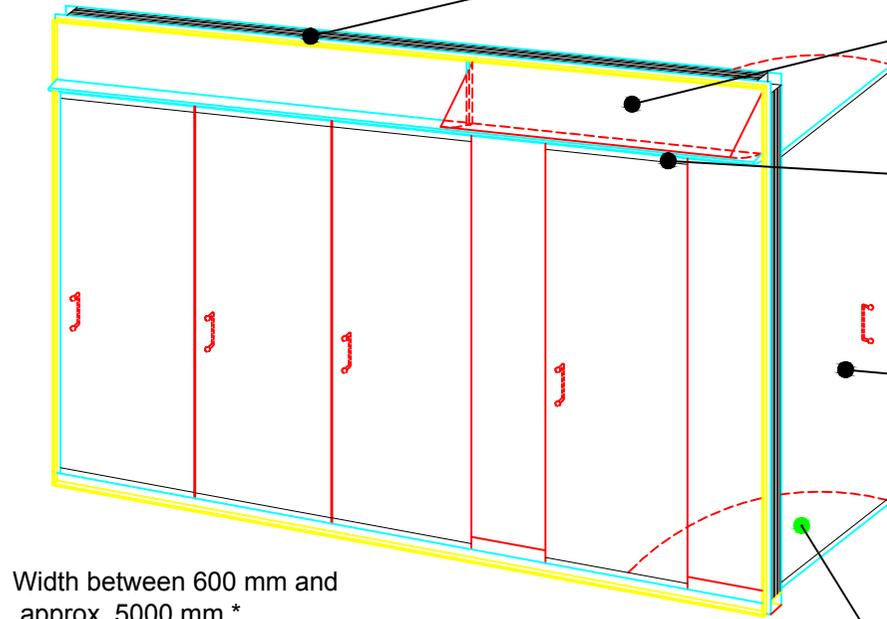
* Height and width dimensions

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

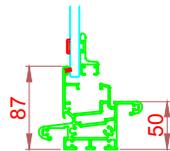
Design possibilities and limits of Window System 100 with folding door and top light



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Width between 600 mm and approx. 5000 mm *



Trickle ventilation

Trickle ventilation can be installed in the element where 6 - 7 mm thick glass is used. The free area for ventilation is approx. 40cm²

Top hung vent

Top hung, unframed ventilator, glazed in either 6mm toughened safety glass

Width: 300 - 1600 mm

Height: 190 - 450 mm

Aluminium extrusions

The Window System 100 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, with element wide more than 2000 mm there have to be mounted a post in the top section

Folding door

Folding door can be supplied with.

Light system, 8 or 10 mm toughened glass.

Silhouette system, framed with 6 mm toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit with transom.

Folding glass (and it's frame) needs to be able to accomidate the imposed wind load, and can normaly be made like in the folowing:

Height of the hatch up to 2500 mm*

Width of the hatch 700 & 900 mm

Width of fixed before and after min 250 mm

Height of the opening glass should not be greater than 3 times the width.

The system can be supplied with up to 7 folding glass.

The system (Light and Silhouette) can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

Silhouette can be supplied with a transom

Degree of opening

The folding glass will open upto 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°)

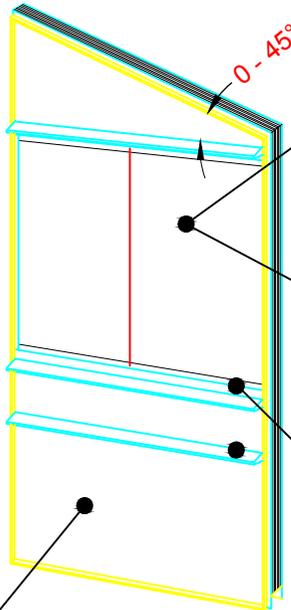
* Height and width dimensions

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

**Design possibilities and limits of
Window System 100 with a shaped upper section
can be supplied with either fixed glass, folding glass or sliding glass**



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Width between 250 mm
and approx. 3000 mm *
With folding glass the
min width is 350 mm.
With sliding glass the min
width is 900 mm.

Railing section.

The railing section can be supplied in up to 5 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: Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm
Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm
Inside glazing bead: 4.0 - 9.0 mm

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

Folding glass

Folding glass can be supplied with.

Light system, with 6, 8 or 10 mm toughened glass *.

Silhouette system, framed with 6 mm float glass or toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit.

Folding glass (and it's frame) needs to be able to accomidate the imposed wind load, and can normaly be made like in the folowing:

Height of the hatch is between: 600 & 1800 mm*

Width of the hatch is between: 500 & 900 mm

Width of fixed before and after min 250 mm

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

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

Where a double glazed unit is selected, the max. height is 1600 mm.

Height of the opening glass should not be greater than 2.5 times the width.

The system can be supplied with up to 7 folding glasses where the glass is opening in one direction.

Light and Silhouette system can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

Silhouette and Shadow can be supplied with a transom

Sliding glass

Sliding glass is supplied as 6mm toughened glass.

The element can be supplied with 2, 3 or 4 sliding glasses where the glass is opening in one direction and 7 glasses when opening in both directions.

Each glass can be supplied complete with a brush strip seal.

The glass needs to be able to accomidate the imposed wind load, and can normaly be made like in the folowing:

Height of the opening glass: 150 - 1600 mm*

Width of the opening glass: 400 - 1200 mm

Height of the opening glass is not normally greater than 2.5 times the width.

Aluminium extrusions

The Window System 100 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.

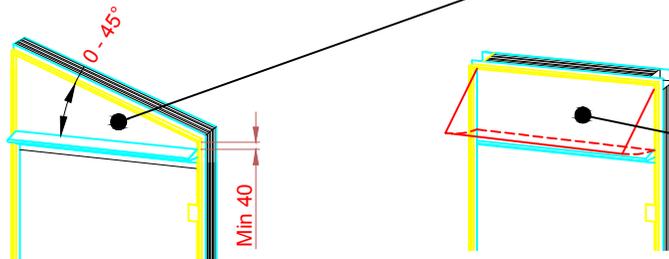
* Height and width dimensions

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

Design possibilities and limits of Windoor System 100 with in and outward opening door



Height up to approx. 2850 mm*



Filling

If the over frame is horizontal a Trickle ventilation can be installed in the element where 6 - 7 mm thick glass is used. The free area for ventilation is approx. 40cm²

The infill material: Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm
 Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm
 Inside glazing bead: 4.0 - 9.0 mm

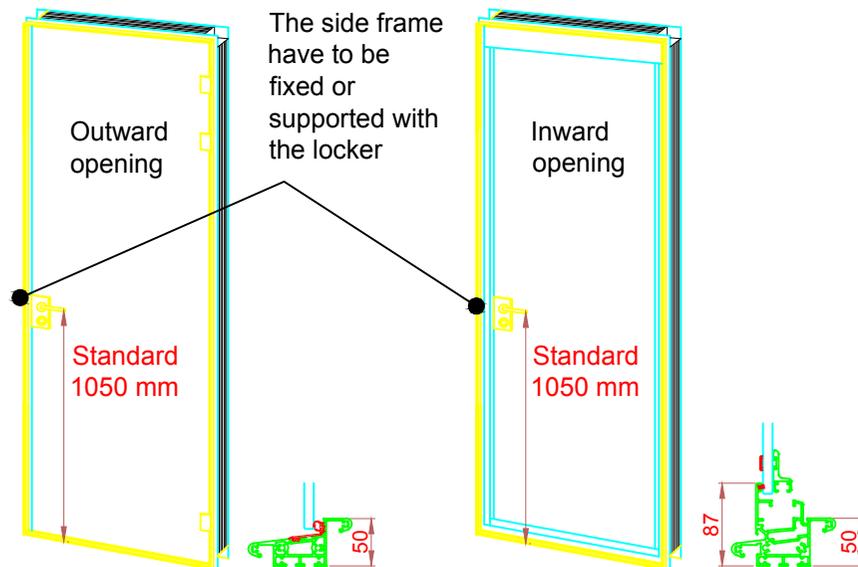
The width to height ratio of glass infill must not exceed 1:10.

Top hung vent

Top hung, unframed glass 6mm toughened safety glass

Width: 300 - 1600 mm

Height: 190 - 450 mm



Door

Folding door can be supplied with 8 or 10 mm toughened glass.

Height of the glass: 1800 - 2400 mm

Width of the glass: 600 - 1000 mm

The glass needs to be capable of withstanding the imposed wind load.

Door fittings

Doors are supplied with glass door hinges and locks with handles, type Dorma junior, prepared for EURO profile cylinder

* Height and width dimensions

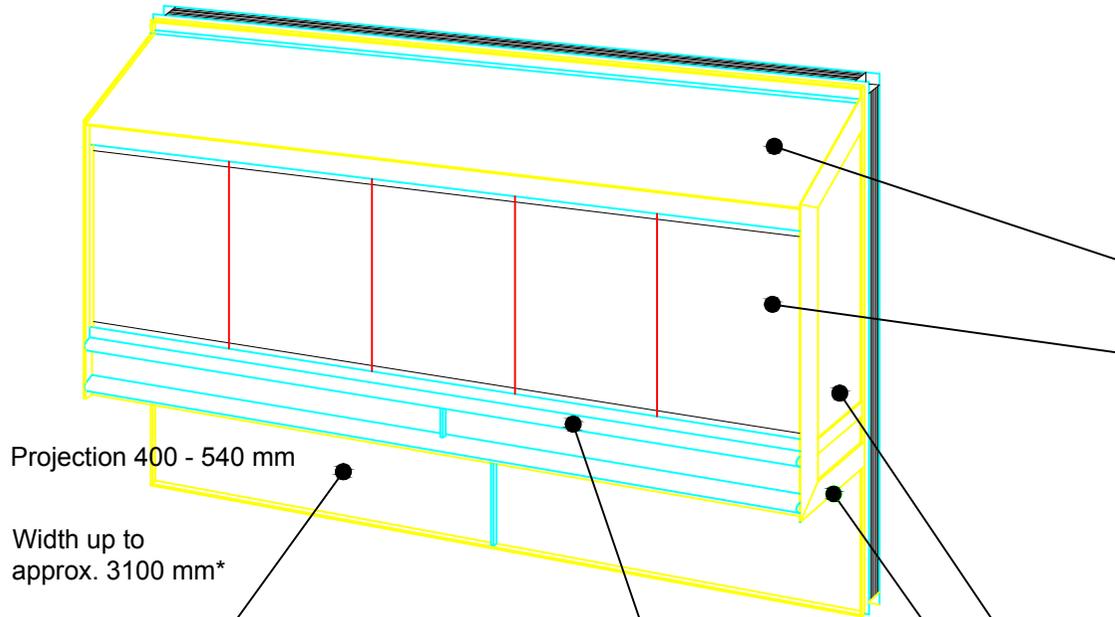
The maximum height and width dimension of the element is subject to the wind and service loads imposed on the system.

Width between 600 mm and approx. 1000 mm *

Design possibilities and limits of Windowor System 100 - Bay window



Height up to approx. 3300 mm *
Height or width have to be less than 2850 mm



Projection 400 - 540 mm

Width up to approx. 3100 mm*

Railing section.

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:

Std glazing bead: 4.0 - 9.0 mm or 18 - 23 mm

Alu glazing bead: 4.0 - 11.0 mm or 18 - 25 mm

Inside glazing bead: 4.0 - 9.0 mm

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 Windowor System 100 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 Bay window can be provided without the glass section underneath the folding glass section and also without the railing section.

The bay window can be supplied with hand rails.

The floor in the bay window shall have a height, so you are not encouraged to stand in the (on the bay window floor). If the level of the floor is low and the height of the bay window is big enough for a person to stand in the bay window, the authorities can demand the floor calculated as a balcony floor. The bay window is not designed for this case. There is a possibility that the authority can approve that you sit on the bay window floor.

Glass roof

Toughened laminated grey glass. Roof pitch is always 45°.

Folding glass

Folding glass can be supplied with.

Light system, with 6, 8 or 10 mm toughened glass.

Silhouette system, framed with 6 mm float glass or toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit.

Folding glass (and it's frame) needs to be able to accomidate the imposed wind load, and can normaly like in the folowing:

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

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

Where a double glazed unit is selected, the max. height is 1600 mm.

Height of the opening glass should not be greater than 2.5 times the width.

The system can be supplied with up to 7 folding glasses where the glass is opening in one direction.

Gable end

4 - 7 mm glass / filling

Floor of the Bay window

8 mm Natura Pro, Fulgurit class A fire rated material.

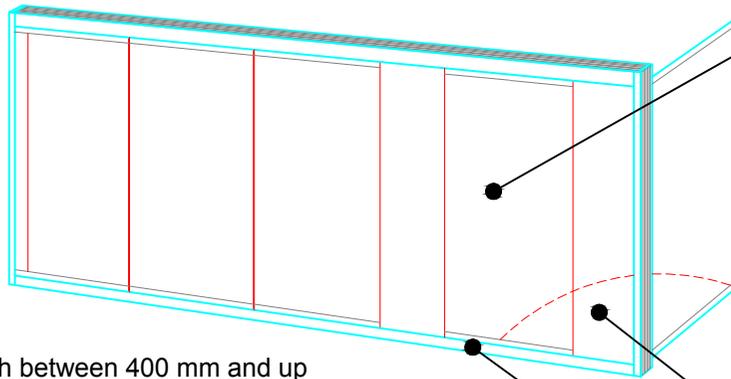
* Height and width dimensions

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

Design possibilities and limits of Window System 300 - folding glass



Height up to approx. 1900 mm *



Width between 400 mm and up to approx. 6500 mm

Possibilities for opening



Fixed glass (last glass)



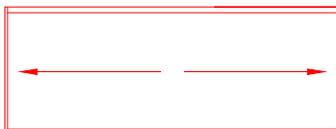
Fixed glass both ends with opening glass opening in both directions.



Fixed glass (first glass)



Fixed glass one end with opening glass opening in both directions.



Opening to both sides

Folding glass

Folding glass can be supplied with.

Light system, with 6, 8 or 10 mm toughened glass.

Silhouette system, framed with 6 mm float glass or toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit.

Folding glass (and its frame) needs to be able to accommodate the imposed wind load, and can normally be made like in the following:

Height of the hatch is between: 600 & 1800 mm*

Width of the hatch is between: 500 & 900 mm

Width of fixed before and after min 250 mm

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

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

Where a double glazed unit is selected, the max. height is 1600 mm.

Height of the opening glass should not be greater than 2.5 times the width.

The system can be supplied with up to 7 folding glasses where the glass is opening in one direction and 10 glasses when opening in both directions.

The system (Light and Silhouette) 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 (Light only) the first opening glass is supplied with a sliding pole fitting, the rest of the glasses open in the normal way. Silhouette and Shadow can be supplied with a transom

Degree of opening

The folding glass will open up to 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°)

Aluminium extrusions

The Window System 300 is supplied with 2 side frames, a bottom frame and a top frame with or without extension profile, assembly is carried out on site.

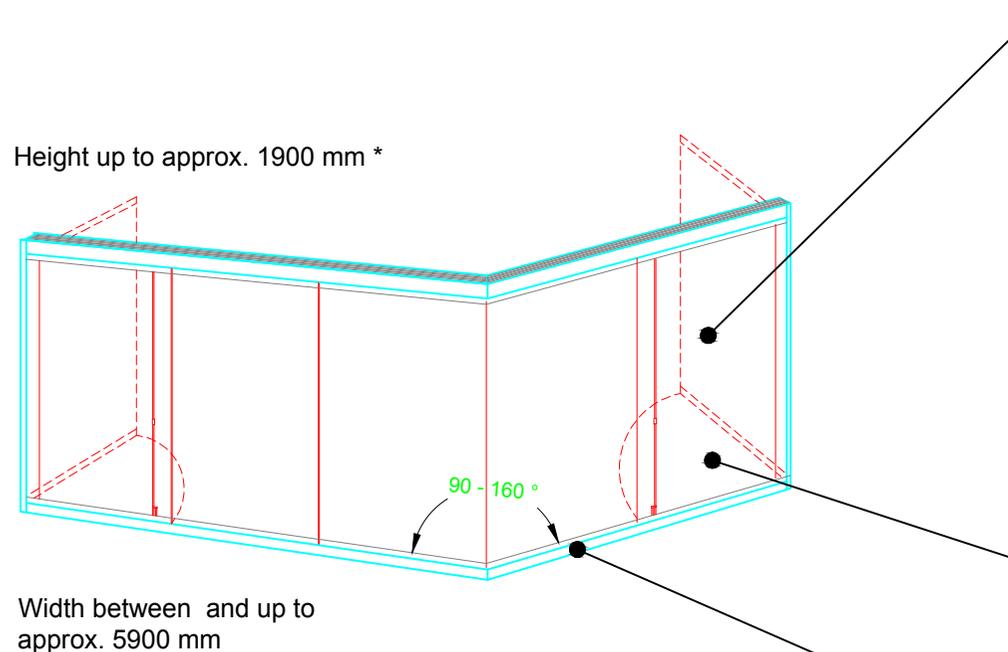
The top and bottom frame are fixed back to the sub construction.

The above mentioned fixing requirement assumes that the sub construction is capable of taking the imposed load.

* Height and width dimensions

The maximum height of the element, hatches and the glass thickness is subject to the wind and service loads imposed on the system.

Design possibilities and limits of Windoor System 300 with a glass corner joint



Folding glass (Light only)

Folding glass can be supplied unframed in 6, 8 or 10mm toughened glass. Folding glass (and its frame) needs to be able to accommodate the imposed wind load, and can normally be made like in the following:
Height of the hatch is between: 600 & 1800mm*
Width of the hatch is between: 500 & 900mm
Width of fixed before and after min 250 mm
Height of a side hung glass is between: 400 & 1800mm
Width of a side hung glass is between: 250 & 1000mm
Height of the opening glass should not be greater than 2.5 times the width.
Each section can be supplied with up to 7 folding glasses all opening in the same direction.
The element can be supplied with a fixed glass before, the rest of the glasses will open in the normal way.
When the glasses open in both directions the first opening glass is supplied with a sliding pole fitting, the rest of the glasses open in the normal way.

Degree of opening

The folding glass will open up to 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°).
If there is only one glass in the gable, the front glass has to be opened before the gable

Aluminium extrusions

The Windoor System 300 is supplied with 2 side frames, a bottom frame and a top frame with or without extension profile, assembly is carried out on site.
The top and bottom frame are fixed back to the sub construction.
The above mentioned fixing requirement assumes that the sub construction is capable of taking the imposed load.

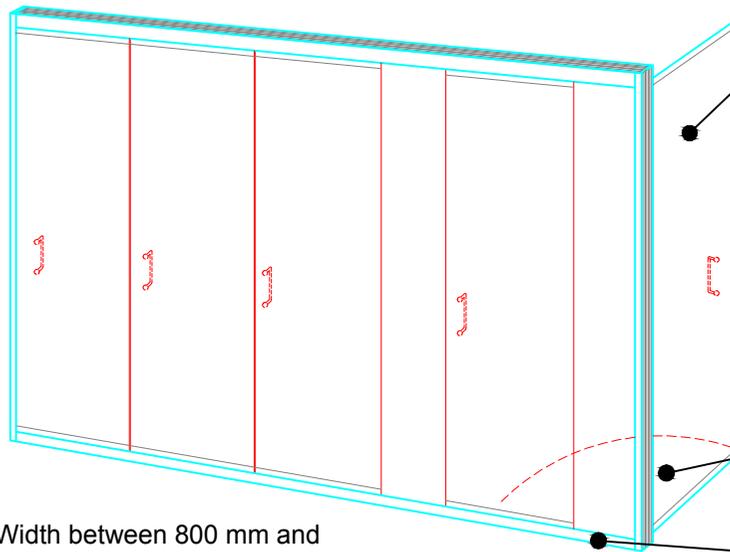
* Height and width dimensions

The maximum height of the element, hatches and the glass thickness is subject to the wind and service loads imposed on the system.

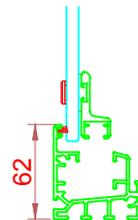
Design possibilities and limits of Windoor System 300 - folding doors



Height up to approx. 2600 mm *



Width between 800 mm and up to approx. 5900 mm



Folding door

Folding door can be supplied with.

Light system, 8 or 10 mm toughened glass.

Silhouette system, framed with 6 mm toughened glass.

Shadow system, framed 20 mm thick double glazed sealed unit with transom.

Folding glass (and it's frame) needs to be able to accommodate the imposed wind load, and can normally be made like in the following:

Height of the hatch up to 2200 mm*

Width of the hatch: 700 & 900 mm

Width of fixed before and after min 250 mm

Height of the opening glass should not be greater than 3 times the width.

The system can be supplied with up to 7 folding glass.

The system (Light and Silhouette) can be supplied with a fixed glass at one or both ends, the rest of the glasses will open in the normal way.

Silhouette can be supplied with a transom

Degree of opening

The folding glass will open up to 90° as standard, if required it can be opened up to 130° with a modification, (min opening is 70°)

Aluminium extrusions

The Windoor System 300 is supplied with 2 side frames, a bottom frame and a top frame with or without extension profile, assembly is carried out on site.

The top and bottom frame are fixed back to the sub construction.

The above mentioned fixing requirement assumes that the sub construction is capable of taking the imposed load.

* Height and width dimensions

The maximum height of the element, hatches and the glass thickness is subject to the wind and service loads imposed on the system.

Design possibilities and limits of Windoor System 300 - Single glass door, inward opening

