



FAÇADE INTEGRATION

Two 100 mm and 150 mm louvre models of the SUNEAL 'brise soleil' sun screen systems are available for integration in GEODE curtain walls and glazing.

Three applications are possible:

- Fixed horizontal blade fitted to the GEODE curtain wall.
- Canopy fixed horizontal blades fitted to the GEODE curtain wall.
- Fixed horizontal blades fitted to GEODE glazing.

Frame

- The SUNEAL brise soleil with horizontal blades shall be fixed to the supporting profiles by means of aluminium hooks. The pitch of the blades can be set at 4 degree increments: 15°, 30°, 45° and 60°.
- The fastening of the blade supports on the mullions of the curtain wall / glazing shall be obtained by means of an intermediary angle bracket. The blade span shall depend on Technal calculations.

Blades

_ The blades used shall be in a C shape, in Technal type extruded aluminium in the following sizes:

- 100 mm.
- 150 mm.

The end caps shall be made of thermoplastic.

INDEPENDENT SUPPORTING STRUCTURE INTEGRATION

- The SUNEAL brise soleil is available in two models with 100 mm and 150 mm blades for integration on independent load bearing walls.

Two applications are possible:

- Fixed horizontal blade on independent load bearing wall.
- 30 mm load bearing structure.
- 90 mm load bearing structure.
- Revetment system on independent load bearing structure.
- 30 mm load bearing structure.
- 90 mm load bearing structure.

Frame

_ The SUNEAL brise soleil with horizontal blades shall be fixed to the supporting profiles by means of aluminium hooks. The pitch of the blades can be set at 4 degree increments: 15°, 30°, 45° and 60°.

There is a specific blade support for revetment systems. The blade span shall depend on Technal calculations.

Blades

The blades used shall be C-shaped, in Technal type extruded aluminium in the following sizes:

- 100 mm.
- 150 mm.

INDEPENDENT SUPPORTING STRUCTURE

Four models of one-piece aluminium blade are available for the SUNEAL brise soleil for the creation of continuous lines (120, 180, 240 and 270 mm blades).

Frame

The SUNEAL horizontal continuous blade brise soleil shall be fixed to the façade or a load bearing wall by means of aluminium clips. The pitch of the blades can be set at 4 degree increments: 0°, 15°, 30° and 45°. The blade span shall depend on Wicona calculations.

Blades

_ The blades used shall be of the aerofoil type, made of Technal type extruded aluminium in the following sizes:

- 120 mm x 25 mm.
- 180 mm x 30 mm.
- 240 mm x 40 mm.
- 270 mm x 40 mm.

The fastening clips made of aluminium shall have a coated or anodised finish.

The 120 mm and 180 mm blade end caps shall be made of thermoplastic and have a white, grey or black finish.

The 240 mm and 270 mm blade end caps shall be made of aluminium and have a coated or anodised finish.



CONTINUOUS ONE-PIECE HORIZONTAL BLADES

Several models of one-piece aluminium blades are available for the SUNEAL brise soleil system enabling the creation of horizontal blade brise soleil units between load-bearing structures.

Frame

The horizontal blade SUNEAL brise soleil shall be fixed between load-bearing structures. The size of the structures shall depend on the project requirements. The blade degree increments shall depend on the existing supports. The blade span shall depend on Technal calculations.

Blades

The blades used shall be of the aerofoil type, made of Wiconal type extruded aluminium in the following sizes:

- 100 mm x 25 mm.
- 120 mm x 25 mm.
- 180 mm x 30 mm.
- 240 mm x 40 mm.
- 270 mm x 50 mm.
- 300 mm x 50 mm.

The one-piece rectangular blades shall be made of extruded aluminium and 300 x 40 mm in size. The end caps shall be made of aluminium, with a coated finish, RAL to be defined.

ONE-PIECE HORIZONTAL BLADES FIXED BETWEEN LOAD BEARING STRUCTURES

Several models of one-piece aluminium blades are available for the SUNEAL brise soleil system enabling the creation of vertical blade brise soleil units between load-bearing structures.

Frame

The vertical blade SUNEAL brise soleil shall be fixed between load-bearing structures. The size of the structures shall depend on the project requirements. The blade degree increments shall depend on the existing supports. The blade span shall depend on Technal calculations.

Blades

The blades used shall be of the aerofoil type, made of Technal type extruded aluminium in the following sizes:

- 100 mm x 25 mm.
- 120 mm x 25 mm.
- 180 mm x 30 mm.
- 240 mm x 40 mm.
- 270 mm x 50 mm.
- 300 mm x 50 mm.

The end caps shall be made of aluminium, with a coated finish, RAL to be defined.

ONE-PIECE VERTICAL BLADES FIXED BETWEEN LOAD BEARING STRUCTURES

Several models of one-piece aluminium blades are available for the SUNEAL brise soleil system enabling the creation of rotating blade brise soleil systems between load-bearing structures.

Frame

The SUNEAL brise soleil with rotating horizontal blades between load bearing structures, shall be either by manually operated or motorized for all blades, except for the 300 x 50 mm model which must be motorized. The size of these structures shall depend on the project requirements. The blade span shall depend on Technal calculations.

Blades

The one-piece blades used shall be of the aerofoil type, made of Wiconal type extruded aluminium in the following sizes:

- 180 mm x 30 mm.
- 210 mm x 30 mm (covering blade)
- 240 mm x 40 mm.
- 270 mm x 50 mm.
- 300 mm x 50 mm.

The end caps shall be made of aluminium and shall have a coated finish, with a choice of RAL.



ROTATING ONE-PIECE HORIZONTAL BLADES BETWEEN LOAD BEARING STRUCTURES

Several models of one-piece aluminium blades are available for the SUNEAL brise soleil system enabling the creation of rotating vertical blade brise soleil units between load-bearing structures.

Frame

The SUNEAL brise soleil with rotating vertical blades between load bearing structures shall be either operated manually or motorized for all blades, except for the 300 x 50 mm model which must be motorized. The size of these structures shall depend on the project requirements. The blade span shall depend on Technal calculations.

Blades

The blades used shall be in the shape of the aerofoil type, in Technal type extruded aluminium in the following sizes:

- 180 mm x 30 mm.
- 210 mm x 30 mm (covering blade)
- 240 mm x 40 mm.
- 270 mm x 50 mm.
- 300 mm x 50 mm.

The end caps shall be made of aluminium and shall have a coated finish, with a choice of RAL.

ROTATING ONE-PIECE VERTICAL BLADES BETWEEN LOAD BEARING STRUCTURES

Several models of multi-part aluminium blades are available for The SUNEAL brise soleil system enabling the creation of horizontal blade brise soleil units between load-bearing structures.

Frame

The horizontal blade SUNEAL brise soleil fixed between load bearing structures can be set at degree increments of 0°, 15°, 30°, 45° and 60°. The blades shall be fixed onto the load bearing structures by means of strengthened brackets and sleeves. The size of these structures shall depend on the project requirements. The blade span shall depend on Technal calculations.

Blades

The multi-part blades shall be of the aerofoil type, in Technal type extruded aluminium in the following sizes:

- 350 mm x 75 mm.
- 400 mm x 75 mm.
- 450 mm x 75 mm.
- 500 mm x 75 mm.
- 600 mm x 75 mm.

The different accessories (end caps, fixation brackets and sleeves) needed to obtain the different blade degrees shall be made of aluminium, and shall have a coated finish and choice of RAL.

MULTI-PART HORIZONTAL BLADES FIXED BETWEEN LOAD BEARING STRUCTURES

Several models of multi-part aluminium blades are available for the SUNEAL brise soleil system enabling the creation of vertical blade brise soleil units between load-bearing structures.

Frame

The vertical blade SUNEAL brise soleil fixed between load bearing structures can be set at degree increments of 0°, 15°, 30°, 45° and 60°. The blades shall be fixed onto the load bearing structures by means of strengthened bracket and sleeve. The size of these structures shall depend on the project requirements. The blade span shall depend on Technal calculations.

Blades

The multi-part blades shall be of the aerofoil type, in Technal type extruded aluminium in the following sizes:

- 350 mm x 75 mm.
- 400 mm x 75 mm.
- 450 mm x 75 mm.
- 500 mm x 75 mm.
- 600 mm x 75 mm.

The different accessories (end caps, fixation bracket and sleeve) needed to obtain the different degrees shall be made of aluminium and shall have a coated finish and choice of RAL.



VERTICAL MULTI-PART BLADES FIXED BETWEEN LOAD BEARING STRUCTURES

Several models of multi-part aluminium blades in the shape of a semi-ellipse or end cover are available for the SUNEAL brise soleil system enabling the creation of fixed horizontal blade brise soleil units.

Frame

The horizontal blade SUNEAL brise soleil shall be fixed to an existing structure.

Blades

The multi-part blades shall be of the semi-elliptical or end-cover type, in Technal type extruded aluminium in the following sizes:

- 175 mm x 75 mm.
- 225 mm x 75 mm.
- 275 mm x 75 mm.
- 300 mm x 75 mm.

The blades' end caps shall be made of aluminium and shall have a coated finish, with a choice of RAL.

SEMI-ELLIPTICAL HORIZONTAL FIXED BLADES

Two models of aluminium louvres are available for the SUNEAL brise soleil for the creation of façade cladding units made up of continuous fixed blades. The creation of façade claddings, separating partitions and ventilation grids is possible using this system.

Frame

The horizontal blade SUNEAL louvres can be fixed quickly and easily on:

- An existing support by means of a louvre clip.
- A 50 x 70 mm mullion profile, by means of a specific mullion fixation clip.

The distance to the centre of the blade shall be of at least 95 mm. The size of the distance to the centre of the mullions or fixations shall depend on calculations.

Blades

There are two models of Technal type extruded aluminium louvres:

- Right blade, 100 mm front view and 83 mm profile view.
- Z-shaped blade, 115 mm front view and 50 mm profile view.

The louvre fixation clips and the closing cap shall be made of aluminium, with a coated finish and choice of RAL.