



DETAILED SPECIFICATIONS FOR S-2000 ALUMINUM PARTITIONS

Lightweight aluminum partitions series S-2000 with hidden support frame and suspended panels with adaptability to the changing needs of professional work spaces. The construction of partition's frame is done with profiles designed and produced by SCP.

thermo-hardened workable A-GS alloy (50S) by AFNOR (AlMgSi 0.5 in DIN), the average value or hardness is 76 BRINNELL with fracture tension of 23 kp/mm² and percent elongation $\delta_{50} = 6\%$. The profiles are dyed with electrostatic furnace dye and the dye thickness is 110 μm .

The cross-section of the perimeter profile is 98x40x1.4mm, while the cross-section of the profile which is used as pillars, it is 60x40x1.4mm.

The connection between the profiles is made with a special connection angle, from high strength AS-13 aluminum alloy, 6mm thick, which stabilizes the main profiles between them. With a special blade to avoid drilling holes on the profiles, which gives to the partitions the property of being disassembled and reconstructed many times without existing damage or decline to the profiles. The conductors of electrical installations can be placed in the gap of the main profiles.

For the hanging of the lining materials, P-shaped components are fixed on the internal longitudinal slots of the vertical elements of the bearing, from thermosetting machinable aluminum alloy, according to A-GS (50S) by AFNOR (AlMgSi 0.5 in DIN), the average value or hardness is 76 BRINNELL (HB10) with fracture tension of 23 kp/mm² and percent elongation $\delta_{50} = 6\%$.

On the inner side of the lining materials, special hooks are applied in suitable positions to hold them in a fixed position in height and not allow their removal to the outside.

On both sides, 16mm thick melamine sheet are used as lining material, in different colors, choice of supervision. At the contact points between the panels, PVC is applied so it is formed a continuous flat surface. For constructions that require special specifications in soundproofing, the partition accepts rock-wool sheets as filling material.

To create a fixed opening in the S-2000 partition, the ready divided window "CLIP WINDOW" is applied with two single panes or with two single panes with aluminum blind in between them. Alternatively, Snap-On joint covers are used, the type of which is selected by case depending on the thickness of the glass pane which is used.

It is possible to apply a single glass up to 8mm or two single glasses with internal blind (venetian blind). For the correct operation of the blind, a special aluminum profile has been designed, which is applied as a guide of the blinds. The movement of the blinds is rotating and is done via an ergonomic button. Blinds 16mm or 25mm wide, are manufactured by aluminum and they have undergone the "Thermoforte" heat treatment. The distance between the blinds is 20mm, thus it is contributing to better closing of the blinds.



CLIP WINDOW

It is delivered fixed and its innovative way of design ensures easy installation, safe use as it has a safety position during its application and accessibility . Available in a standard dimension of 1150x1150mm or in special dimensions upon order with two single panes, 4mm thick and with and intermediate aluminum blind or only with two single glasses, 4mm thick.

Divided Aluminum Door Frame

The series includes aluminum profiles for divided frames for easy and quick application:

- A) Profile GYD1, 98x30x1.4mm
- B) Profile GYD2, 50x30x1.4mm

Internally, the profile of the frame has been specially designed, so the tightening angle or joint does not prevent the frame from being properly "clasped". Also, it has sockets around the perimeter in which rubber is placed, where waterproofing of the structure is required.

For the correct installation of the frame, special components have been designed that aim to simplify the manufacturer's work, so the frame's installations does not present technical difficulties, but at the same time they can guarantee an aesthetically excellent result.

These components are:

A) Alignment angle: special component, which is installed at three points on the profile, during connection, and acts as a guide for the correct and stable application of the profiles between them.

B) Clamping angle: special part consisting of two parts which is installed on the special sockets which are in the profiles and with the application of a special polygonal screw it works as connecting and tightening component.



Doors

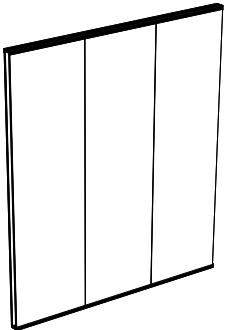
Pressed doors with aluminum margin, total thickness 46mm, dimension 860x2140mm or special dimensions, from 1.4mm thick aluminum.

Double MDF (Medium Density Fiber) which exhibits minimal moisture absorption, homogeneity in the mass, with good mechanical properties and excellent smoothness with particularly satisfactory editability. It is a material in the form of a plate and it is made of fibers of lignocellulose, which compressed with wood fibers, 4mm thickness.

Double-sided melamine or formica.

If sound absorption is required, the filling material is rockwool, 30mm thick and density 75 kg/m³.

Movable partitions

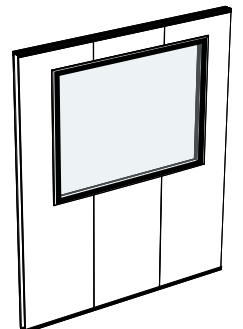


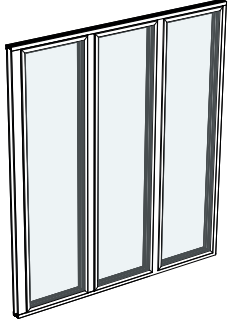
Type 1

SCP's movable partitions with melamine, S2000 type with sound insulation up to 45dB, total thickness 100mm, blinds with an aluminum frame, suspended melamine panels of thickness 16mm and internal rockwool insulation. On the application points of the melamine sheets is applied PVC 2mm thick.

Type 2

SCP's movable partitions with melamine, S2000 type, total thickness 100mm, fixed frame window with two glass panes 5mm securit and the ability of blind installation, suspended melamine panels of thickness 16mm. On the application points of the melamine sheets is applied PVC 2mm thick.





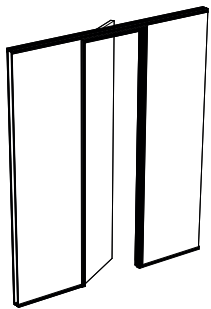
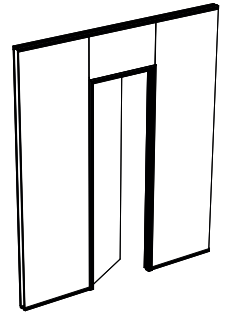
Type 3

SCP's movable partitions with melamine, S2000 type, total thickness 100mm, fixed frame window with two glass panes throughout the height 5mm securit and the ability of blinds' installation. A melamine spacer is applied between the frames, 16mm thick. On the application points of the melamine sheets is applied PVC 2mm thick.

Door types

Type 1

SCP's movable partitions with melamine, S2000 type with sound insulation up to 45dB, total thickness 100mm, blinds with an aluminum frame, suspended melamine panels of thickness 16mm and internal rockwool insulation, with pressed door, with formica surface and aluminum or PVC margin or an aluminum glass door with the possibility of blinds up to a height of 2,30m. On the application points of the melamine sheets is applied PVC 2mm thick.



Type 2

SCP's movable partitions with melamine, S2000 type with sound insulation up to 45dB, total thickness 100mm, blinds with an aluminum frame, suspended melamine panels of thickness 16mm and internal rockwool insulation, with pressed door, with formica surface and aluminum or PVC margin or an aluminum glass door with the possibility of a full-height blind. On the application points of the melamine sheets is applied PVC 2mm thick.

