

# FLUSH-AIR

System	Bibloc double glazed partition without vertical posts.
Brief description	<p>Modular glazed partition system with double glass that is fitted in an aluminium U-shaped frame with fine rectangular profiles of 40mm. The 10 or 12mm thick glass panels are connected by a narrow and almost invisible transparent profile, creating a nearly seamless junction.</p> <p>The Flush-Air partition is suitable in any utility building and is extremely convenient to create contemporary office spaces very quickly. Thanks to its limited number of components and clever construction relocation is achieved in the shortest time period.</p>
Sound Insulation	<p>Results in lab following the European norms EN ISO 717-1 en EN ISO 140-3 :</p> <p>Flush-Air solid several versions possible between Rw 48dB and 57dB.</p> <p>Flush-Air glass several versions possible between Rw 45dB and 53dB.</p> <p>Doormodules several versions possible between Rw 33dB and 44dB.</p>
Fire resistance	Not tested. See Flush-Line for fire-rated options.
Fire reaction	<p>Following EN13501-2</p> <p>Solid partition Flush-Air standard class D - s2,d0. Also possible in B - s1,d0.</p> <p>Glass partition : class A1.</p>
Thickness	100 mm
Heights	Floor to ceiling: up to 3m without interruption.
Height Tolerance	up to 20 mm.
Partition Modules	The standard module width is 900mm, other widths are also available on request.
Weight	Solid module (48dB) : about 30 kg/m <sup>2</sup> - Glass module: about 60 kg/m <sup>2</sup>
Frame	<p>Inner frame in aluminium. The floor and ceiling tracks are U-shaped 40x100x40mm. These head and base tracks consists of 2 profiles, a base and a click profile. The base profile equipped with closed cell foam strips 3x8mm. Vertical C-section studs, with oblong-formed perforations to receive the panel-hooks, and whom can also offer different hook-on solutions for shelves, coat pegs, hook on cupboards and tables. These studs also have 30mm round perforations at 200mm centres to allow for continuous wiring routs.</p> <p>The floor and ceiling tracks on the Flush-Air+ have recessed skirtings 40mm high.</p>
Solid Modules	The standard panels are classified from Class A, E1, 18mm Chipboard with a density of 650 kg/m <sup>3</sup> . These panels can be finished in various coverings, such as fabric and vinyl wall coverings, melamine (standard), HPL laminate or natural wood veneers. On the 4 edges the panels are finished in the same colour as the front side. Panel hooks are fixed to the back of the panel, and are then hooked on to the perforated structural stud. These panels can are also available in MDF, Plywood or Class O Chipboard.
Insulation	The partitions are equipped on the inside with insulation, type, thickness and density in function of the requested sound insulation. In combination with the foam strips they offer an optimal sound insulation.
Doorframes	<p>FCA : Standard aluminium doorframes come with a vertical height adjustable aluminium hinge feature, fitted with acoustic gaskets and recessed doorleaf.</p> <p>FAIR : Design doorframes have invisible hinges and flush doorleaves. These doorframes can also received aluminium framed glass doors with single or double glazing.</p>
Door leaf	<p>Solid core doors equipped with with 0.8mm thick HPL laminate on both sides. Standard widths are 830 and 930mm. Standard heights are 2015 and 2115mm. Thickness is 40 or 50mm.</p> <p>Full glazed doors are available in 8mm toughened glass.</p> <p>Framed glass doors are available with single or double glass.</p> <p>Sliding doors are also possible.</p>
Ironmongery	<p>All door handles, locks, door stops and hinges available on request.</p> <p>By default an L or U-shaped handle in stainless steel 19mm diameter is included. The standard door stop is also in stainless steel.</p>

Glass Modules	Safety glass in 10, 12 or 16mm, laminated or toughened, polished on its perimeter. All sorts of glass are possible. Sandblasting and of films are available.
Glass thickness	Following TV/NIT_275 (Particular installations in glass Part 3 : non-structural applications, interior glass walls). Wind exposure class 1-5 et users category B (offices) Up to 2880mm with 662 laminated. Up to 3160mm with 12mm toughened. Up to 3580mm with 882 laminated.
Glass junction	Transparent connexion of 2mm.
Coating	All visible profiles are powder coated in any RAL colour with a polyester powder coating of minimum 60 microns. Anodized profiles are also available.
Accessories	Whiteboards (writable and/or magnetic) can be hooked on the same way as the solid panels. Several acoustic absorbent panels are also available.

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