

## DESCRIPTION

Solid or glazed partition.

## CONSTRUCTION

Partition thickness: 83 mm

- **GLAZED ELEMENTS:**
  - . The flush glazed elements consist of 2 panes that are adhered to lacquered aluminium frames using a bonding process.
  - . The double glazed units are constructed from a split monoblock design which allows access to the internal void to retro-fit/service blinds or apply/re-apply manifestation.
  - . In the basic version the panels are delivered with clear double glazing (float) 6 + 8 mm.
  - . Optionally, security glass 6 or 8 mm can be used. The 8 mm glass can also be compound glass 44.2.
  - . All glass is polished with flat edges.
  - . The door glazed transoms are manufactured in a similar manner which allows both faces to be perfectly flush with the adjacent partition panels.
  - . The product comes with securing steel cams in the junctions to ensure the maintenance of the glass even in case of non-standard solicitation (not withstanding the laboratory tests: safety shocks at 900 J).
  - . All the glazed elements are fully pre-fabricated and are delivered as finished products to site.
- **SOLID MONOBLOCK ELEMENTS:**  
phOtO glazed elements can integrate with the solid monoblock elements of the partitions synchrOne and synOps.
- **DOOR PANEL:**
  - . The frame is made of 1.2 mm thick steel.
  - . The door leaf is 83 mm thick and flush with the two sides of the partition. It can be constructed in steel, timber or glass.
  - . The glazed door leaf is made of welded frame on which the glass is bonded which allows both faces to be perfectly flush with the adjacent partition panels.
  - . The bottom cross rail is fitted with an adjustable base drop seal.
  - . The double glazed door uses 2 sheets of 6 + 6 mm or 6 + 8 mm toughened glass.
- **JUNCTION :**
  - . 6 mm wide.
  - . Vinyl or steel seal.

## FINISHES

- **SURFACE TREATMENT:**  
After surface treatment by alkaline degreasing and nanoceramic conversion of the skins and accessories, application of thermosetting polyester powder paint, oven-cured at 180°C (thickness 70 ± 10 µm). The paint gives a decorative surface that is shock and UV resistant.
- **COLOURS:**  
Colours in Clestra Hauserman colour chart, specific to the phOtO partition. Others: following technical approval.
- **GLAZING:**
  - . Clear float toughened, low iron, acid etched, acoustic laminate.

## OPTION

- **ADAPTATION OF BLINDS:**
  - . The top cross rail of the glazed elements is designed to incorporate most of the customary blinds, mechanically or electrically controlled, in a minimum space.
  - . The width of the blind housing must not exceed 27 mm.
  - . Manual or motorized control system.

## GEOMETRICAL FEATURES

- **DIMENSIONS:**
  - . Height up to: 3000 mm
  - . Width up to: 1500 mm
  - . Weight: 38 kg/m<sup>2</sup>

## INSTALLATION FEATURES

- **TOLERANCES:**
  - . floor: ± 20 mm
  - . ceiling: ± 15 mm
- **CONNECTION OF PANEL TYPES:**  
The panels interlock using a steel headed cam.
- **INTEGRATION OF ELECTRICAL AND DATA SERVICES:**
  - . The top and bottom channels allow the horizontal passage for electric wiring through the partition.
  - . Service panels with removable skins allow the installation and integration of electric switches and power sockets.

## ACOUSTICS

Weighted sound reduction index following EN ISO 717-1

- **GLAZED PANEL:**  
**R<sub>w</sub>** (C ; C<sub>tr</sub>) = **47** (-2 ; -5) **dB**  
high insulation version up to  
**R<sub>w</sub>** (C ; C<sub>tr</sub>) = **49** (-2 ; -5) **dB**
- **GLAZED FLUSH DOOR:**  
up to **R<sub>w</sub>** (C ; C<sub>TR</sub>) = **39** (-1 ; -2) **DB**

## FIRE

**FIRE RESISTANCE:**  
dependant on design characteristics up to E 60 / EI 30 in accordance with European tests or equivalent BS standards.

Dimension limits in accordance with certificate.

## CERTIFICATIONS

- **MECHANICAL:**  
Structural test according to ETE.
- **VOLATILE ORGANIC COMPOUNDS (VOCs):**
  - . A+ french classification according to ISO 16000.
  - . EQ-credit LEED « Low-emitting products ».
- **FACTORY CERTIFICATIONS:**  
Our factories are ISO 9001, ISO 14001 and OHSAS 18001 certified.

## ACCESSORIES

Clestra Hauserman offers a wide range of partition accessories, provided with clever self-fastening systems. [www.clestrashop.com](http://www.clestrashop.com)

Our products are constantly changing.  
To find out about the latest approved acoustic performances, please visit [www.clestra.com](http://www.clestra.com).

