

DESCRIPTION

Relocatable, full or glazed monoblock pre-finished painted steel partition.

CONSTRUCTION

- **MONOBLOCK ELEMENTS:**
 - . Solid panels:
 - . Thickness: 83 mm.
 - . Steel skins 0.9 mm thick.
 - . Internal filler: mineral wool.
 - . Floor and ceiling channels: steel.
- **GLAZED UNITS:**
 - . Single or double glazing,
 - . Extruded aluminium frame sections.
 - . All units are completely factory made, and delivered finished on site.
- **DOOR PANELS:**
 - . Steel frame, 1.2 mm thick.
 - . Leaf: steel, glass or timber, with adjustable base drop seal.
- **JUNCTION:**
 - . Single-line junction without cover strip, enabled by a system that clips panels together.

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. Others: following technical approval.
- **GLAZING:**
 - . Clear float toughend, low iron, acid etched, acoustic laminate.

OPTION

- **AIRFLOW :**
 - . A range of air transfer panels are available.
 - . Performance data is available from our technical team (acoustic value and air flow curves).

GEOMETRICAL FEATURES

- **DIMENSIONS:**
 - . Height:
 - . basic version: up to 3200 mm,
 - . optional: up to 3600 mm.
 - . Width:
 - . solid panels: 600, 675 and 750 mm;
 - . optional: modules of any size;
 - . single door panels: 1050 mm;
 - . double door panels: 1800 mm;
 - . glazed panels: up to 2400 mm.
 - . Weight: 22 kg/m²

FITTING CHARACTERISTICS

- **TOLERANCES:**
 - . ± floor: 12.5 mm
 - . ± ceiling: 15 mm
- **INSTALLATIONS AND INTEGRATION OF ELECTRICAL/DATA SERVICES**
 - . With its two removable skins, the movement panel offers the ideal technical solution for facilitating partition relocation and service integration.
 - . A movement panel is included as standard in each cross-wall.
 - . Electrical switches and sockets may be included in the small movement panel installed next to each door.

ACOUSTICS

Weighted sound reduction index following EN ISO 717-1.

- **SOLID PANELS:**
 - R_w (C ; C_{tr}) = 44 (-1 ; -6) dB**
 - high acoustic version up to:
 - R_w (C ; C_{tr}) = 52 (-1 ; -5) dB**

- . Solid panels with door:
 - R_w (C ; C_{tr}) = 40 (-2 ; -4) dB**
 - high acoustic version up to:
 - R_w (C ; C_{tr}) = 43 (-3 ; -9) dB**

- **FULL HEIGHT GLAZED PANELS:**
 - R_w (C ; C_{tr}) = 42 (-1 ; -3) dB**
 - high acoustic version up to:
 - R_w (C ; C_{tr}) = 45 (-2 ; -8) dB**

FIRE

- REACTION TO FIRE:
 - . Euroclass following EN 13501-1: A2-s1,d0

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

Our products are constantly changing. To find out about the latest approved acoustic performances, please visit www.clestra.com.



Clestra Range	Partition Thickness		Type	Head Channel - Base Channel	Tolerance	Panel vertical joints	Glass Type	Privacy Options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
synchrOne	83mm		Double Glazed	57mm head - 58mm or 95mm base	Head: +/- 15mm Base: 58mm: +/- 12.5mm 95mm: +/- 20mm	Vertical frame 0mm joint	6mm tempered / 8mm tempered / 6.8mm laminated / 8.8mm laminated	Manual blinds Electrical blinds	6mm tempered + 8mm tempered 6mm tempered + 8.8mm laminated	42 dB 45 dB		Cat. IV b Cat. IV b
			Single Glazed Centered						6mm / 8mm tempered glass			Cat. IV b
			Type	Head Channel - Base Channel	Tolerance	Vertical Joints thickness between panels	Racking Strips	Other options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
			Steel Panel	57mm head - 58mm or 95mm base	Head: +/- 15mm Base: 58mm: +/- 12.5mm 95mm: +/- 20mm	Vertical frame 0mm joint	No	Whiteboards / Pinboards Fabric	Steel panels	44 dB	A2-s1, d0	Cat. IV b
									Steel panels (gypsum boards reinforcement)	47 dB	A2-s1, d0	Cat. IV b
									Steel panels (steel plates reinforcement)	52 dB	A2-s1, d0	Cat. IV b
									Steel panels (steel plates reinforcement on one side)	49 dB	A2-s1, d0	Cat. IV b
									Steel panels		Up to RF30	Cat. IV b
			Type	Leaf Thickness	Frame Type	Butt Hinges (H) / Pivot Hinges (P)	Glass type	Privacy Options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
			Framed double glazed doors	59mm	C55 (55mm) C58 (58mm)		6+8mm tempered	Switchable glass; Manifestation				
			Framed single glazed doors	44.5mm			8mm tempered		Steel panels + narrow aperture single glazed door (10mm thick glass)	41 dB		
			Glass Door	10mm / 12mm			10mm tempered 12mm tempered	Switchable glass; Manifestation				
			Type	Leaf Thickness	Frame Type	Butt Hinges (H) / Pivot Hinges (P)	Door Type		Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
			Timber Door	40mm / 44mm / 59mm	C55 (55mm) C58 (58mm)	H & P	40mm / 44mm / 59mm Timber Leaf		Steel Panel + 44mm thick timber door	36 dB (A)		
			Steel Door	44.5mm / 59.5mm / 83mm			44.5mm Steel Door 59mm Steel Door 83mm Steel Door		Steel panels + 44.5mm thick Steel Door 83mm thick Steel Door (door <u>only</u>)	40 dB 41 dB		

We are constantly improving our products to reach higher performance. Please contact us for more information.
The information featured in this document is for guidance only.