

pleinAir

ETE certified partition

TECHNICAL DATA SHEET

DESCRIPTION

Solid or glazed partition without vertical structure on profile with hollow seal.

CONSTRUCTION

- **GLAZED UNITS:**
 - . Glazed panels, full height:
 - . Centred or offset single glazing or double glazing.
 - . Extruded aluminium frame sections.
 - . All units are completely factory made, and delivered finished on site.
- **SOLID MONOBLOCK PARTITIONS:**
 - . Thickness: 83 mm.
 - . Steel skins 1mm thick.
 - . Filling: mineral wool.
- **DOOR PANELS:**
 - . Aluminium frame.
 - . Pivot or mounted hinged doors.
 - . Sliding doors, centred or flush mounted.
 - . Glazed leaf with / without frame.
 - . Steel or timber leaf, 40 to 83 mm thick.
- **JUNCTION BETWEEN SOLID PANELS OR BETWEEN SOLID AND GLAZED, 6 MM WIDE:**
 - . PVC or steel seal.
- **JUNCTION BETWEEN GLAZED UNITS:**
 - . For glazing of 10 or 12 mm: 3 mm wide; or sticking EPDM seal.
 - . Double glazing 6 and 8 mm: aluminium upright - width 16 mm.

FINISHES

- **SURFACE TREATMENT OF SOLID PANELS:**
 - . 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.
- **ALUMINIUM PROFILE:**
 - . Painted or natural anodized finish.
 - . Other anodization on application.
- **PARTITION ADD-ONS**
 - . Our range of options and accessories can be used to tailor the partition to the specific project needs and user requirements (blinds, magnetic accessories, Japanese skins, etc.).

OPTIONS

- **WORKING WALL:**
 - . Solid panel vertical junctions can accommodate a concealed racking upright that

facilitates the support of furniture items such as shelving, storage units and desk-ing. The upright can be retrofitted and relocated if required.

- **ABSORPTION PANEL:**
 - . The absorbent panel makes it possible to optimize the acoustic comfort of the premises thanks to microperforated panels:
 - . up to $R_w [C ; C_{tr}] = 47 [-2 ; -8] \text{ dB}$,
 - . up to $\alpha_w 0,7$.
- **TECHNICAL PANEL:**
 - . The vertical passage of electrical networks as well as the integration of plugs and housings are possible thanks to technical panels with removable claddings.
- **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:
 - . Glazed panels: up to 3200 mm, type and glass thickness according to national standards.
 - . Solid panels: up to 3600 mm.
 - . Width:
 - . Solid: Max 1600 mm
 - . Glazed: Min 350 mm

FITTING CHARACTERISTICS

- **TOLERANCES:**
 - . floor: ± 12.5 mm
 - . ceiling: ± 7.5 mm
 - . with adaptation profile: - 7.5 ; + 15 mm
 - . deflection track available: ± 25mm
- **SOLID PANEL INTERLOCKING:**
 - . The elements interlock using a steel headed cam.
- **INTERLOCKING OF 10 & 12 MM GLAZED ELEMENTS:**
 - . Mechanical junction obtained through unique machining of the glass units and a dry jointed EPDM seal or edge bonded.

ACOUSTICS

Weighted sound reduction index following EN ISO 717-1.

- **SOLID PANELS:**
 - . $R_w [C ; C_{tr}] = 45 [-3 ; -9] \text{ dB}$
- **GLAZED PANELS :**
 - . Single glazing:
 - . $R_w [C ; C_{tr}] = 30 [-2 ; -2] \text{ dB}$
 - . Double glazing with upright 16 mm
 - . $R_w [C ; C_{tr}] = 43 [-2 ; -4] \text{ dB}$
 - . high acoustic version up to:
 - . $R_w [C ; C_{tr}] = 45 [-2 ; -7] \text{ dB}$
 - . Double glazing without upright
 - . $R_w [C ; C_{tr}] = 43 [-2 ; -5] \text{ dB}$
- **DOORS:**
 - . SOLID DOOR:
 - . up to $R_w [C ; C_{tr}] = 41 [-1 ; -3] \text{ dB}$
 - . GLAZED FLUSH DOOR:
 - . up to $R_w [C ; C_{tr}] = 39 [-1 ; -2] \text{ dB}$

CERTIFICATIONS

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



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Clestra Range	Partition Thickness		Type	Head Channel - Base Channel	Tolerance	Glass vertical joints	Glass Type	Privacy Options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)						
pleinAir	83mm		Double Glazed	25mm + 22.5mm shadow gap	+/- 12.5mm +/- 25mm (deflection head track)	Dry-jointed EPDM, I-bone polycarbonate, 3M tape	10mm tempered 12mm tempered 10.8mm laminated 12.8mm laminated	Electrical venetian blinds Roller blinds Switchable glass	10mm tempered + 12mm tempered	43 dB								
									12mm tempered + 12mm tempered	43 dB (A)		Cat. IV						
									10.8mm laminated + 12.8mm laminated	48 dB (A)		Cat. IV						
									12.8mm laminated + 12.8mm laminated	49 dB (A)		Cat. IV						
								Switchable glass	10mm tempered	31 dB (A)		Cat. IV						
									12.8mm acoustic laminated	37 dB (A)		Cat. IV						
									10mm tempered 12.8mm acoustic laminated	31 dB 37 dB (A)		Cat. IV Cat. IV						
								Double Glazed				16mm vertical profile	6mm tempered 8mm tempered 8.8mm laminated	Manual blinds Electrical blinds Switchable glass	6mm tempered + 6mm tempered 6mm tempered + 8.8mm laminated	43 dB 45 dB		
								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	22.5mm shadow gap	+/- 12.5mm	6mm (PVC cover)	Yes	Whiteboards / Pinboards; Timber skin Fabric	Steel panels (6mm joint)	45 dB	A2-s1, d0	Cat. IV b						
			Technical Panel		+/- 25mm (deflection head track)		No	Back-painted glass	-	-	-	-	-					
			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)						
				Double glazed doors	83mm	P1C32 (32mm) P1C55 (55mm)	5mm tempered 5mm tempered	Switchable glass; Blinds; Manifestation	83mm thick double glazed door <u>only</u>	34 dB								
				Glass Door	10mm / 12mm	P2 (25mm)			10mm tempered 12mm tempered	Manifestation	83mm thick double glazed door <u>only</u> with <u>double</u> drop seals 10mm thick tempered glass door <u>only</u> (without drop seal)	39 dB 26 dB (A)						
			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	44mm	P1C32 (32mm) P1C55 (55mm)	44mm Timber Leaf	H & P	Steel Panel + 44mm thick timber door	36 dB (A)								
				Steel Door	44.5mm / 59.55mm				P2 (25mm)	44.5mm Steel Door 59mm Steel Door	Steel Panel + 44.5mm thick Steel Door 59mm thick Steel Door (door <u>only</u>)	45 dB (A) 36 dB						
			Type	Leaf Thickness	Frame Type	Hinges	Door Type		Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)						
				Pocket Glass Sliding Door	10mm / 12mm	C2VV	Sliding	10mm tempered 12mm tempered	Double Glazed partitions (10mm+12mm thick glass) + pocket sliding door Double Glazed partitions (10mm+12mm glass) + pocket sliding door with drop seal	28 dB (A)								
				Offset Glass Sliding Door	10mm / 12mm	C1V	Sliding			10mm tempered 12mm tempered	30 dB (A)							
	Pocket Double Glazed Sliding Door	54mm		C2DVV	Sliding	6+6mm tempered	Double Glazed partitions (10mm+12.8mm thick glass) + double glazed sliding door			37 dB (A)								

We are constantly improving our products to reach higher performance. Please contact us for more information.
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