

DESCRIPTION

Relocatable, solid or glazed partition.

CONSTRUCTION

- **FULL PANELS WITH STEEL FRAMEWORK:**
 - . Thickness: 100mm
 - . Steel skins 0.8mm or timber faces 19mm thick.
 - . Possibility to mix different materials within a single module.
 - . Steel floor and ceiling tracks are concealed within the partition.
 - . Internal filler: mineral wool / polyester.
- **GLAZED UNITS:**
 - . Glazed panels, full height:
 - . Double glazed or offset single glazing.
 - . Extruded aluminium frame sections.
- **DOOR PANELS:**
 - . Aluminium frame.
 - . Glazed leaf with / without frame, flush on both sides or flush on corridor side.
 - . Solid leaf: steel or timber.
- **JUNCTION BETWEEN SOLID PANELS:**
 - . Vertical junction: edge to edge joint, or shadow gap of 3 or 6mm.
 - . Horizontal junction: Shadow gap of 3 or 6mm, minimum 50mm intervals between junctions.
- **JUNCTION BETWEEN GLASS PANELS:**
 - . For 10 or 12mm: frameless mechanical junction achieved with a unique dry jointed EPDM seal or through bonding.
 - . Corners for 10 or 12mm glass: consisting of a minimal aluminium profile to protect corners from impact. Alternatively, these corners can be bonded.
 - . Framed double glazing with 6 or 8mm glass: 28mm wide aluminium frame.
 - . Frameless double glazing with 6 or 8mm glass: bonded to aluminium frame.

FINISHES

- **SURFACE TREATMENT:**
 - . After surface treatment by alkaline degreasing and nanoceramic conversion of the skins and accessories, an application of thermosetting polyester powder paint is applied, ovenured at 180°C (thickness 70 ± 10 µm). The paint gives a decorative surface that is shock and UV resistant.
- **COLOURS:**
 - . Colours in Clestra Hauserman chart.
 - . Others: following technical approval.
- **ALUMINIUM PROFILES:**
 - . Painted or natural anodized finish.
 - . Other anodization optional.
- **SOLID DOOR PANELS:**
 - . Steel with colours from Clestra Hauserman colour chart. Timber, laminated or veneered.

- **GLAZING:**
 - . Film, sand blasting and stained glass.
 - . Most glass finishes including.

OPTIONS

- **RACKING SYSTEMS:**
 - . The posts can incorporate a system of racks for quick fixing of shelves.
- **PARTITION ADD-ONS:**
 - . As an option the horizontal and vertical junctions can incorporate a hanging system, allowing the installation of accessories, shelves hooks and holders, without the use of tools.
 - . The partition design offers the ability to integrate technical and AV equipment: boards, screens, cable runs...
- **ACOUSTIC ABSORPTION:**
 - . Technical solutions for steel and wooden panels achieving absorption values of 0.4 to 0.7 α depending on the finish and acoustic insulation.
- **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:
 - . Full height steel panel without intermediate rail:
 - . Modules ≤ 1000mm wide: max. height 3200mm.
 - . Modules from 1000mm to 1350mm wide: max. height 3000mm.
 - . Solid panels with intermediate rail: max. height 3600mm.
 - . Glazed panels with upright and without intermediate rail: up to 3200mm.
 - . Glazed panels with upright and intermediate rail: up to 2600mm.
 - . Glazed panel without uprights: up to 3200mm depending on glass thickness and local regulations.

FITTING CHARACTERISTICS

- **TOLERANCES:**
 - . ± floor: 12.5mm,
 - . ± ceiling: 12.5mm.

ACOUSTICS

- **ACOUSTIC INSULATION FOLLOWING EN ISO 717-1:**
 - . Solid panels:
 - . up to **R_w** [C ; C_{tr}] = **51** [-2 ; -8] **dB**
 - . Timber panels 19mm thick:
 - . up to **R_w** [C ; C_{tr}] = **47** [-3 ; -9] **dB**
 - . Glazed panels, toughened glass, frameless:
 - . up to **R_w** [C ; C_{tr}] = **43** [-2 ; -4] **dB**
 - . Glazed panels, laminated, frameless:
 - . up to **R_w** [C ; C_{tr}] = **47** [-2 ; -5] **dB**
 - . Framed double glazed panels:
 - . up to **R_w** [C ; C_{tr}] = **49** [-2 ; -6] **dB**

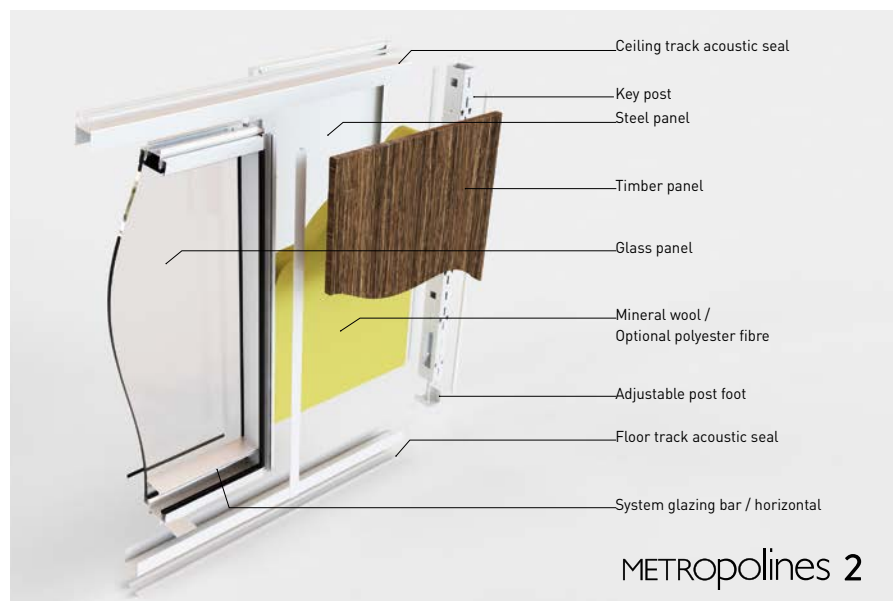
CERTIFICATIONS

- **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	Glass vertical joints	Glass Type	Privacy Options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)		
Metropolines 2 (M2)	100mm	Double Glazed	28mm + 30mm / 35mm shadow gap	+ 7.5mm / -14.5mm + 12.5mm / -20mm +/- 25mm (deflection head)	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	44 dB				
								12mm tempered + 12mm tempered	41 dB				
								10mm tempered + 12.8mm laminated	46 dB				
								12mm tempered + 12.8mm laminated	47 dB				
					0mm / 3mm / 6mm	6mm tempered 8mm tempered 6.8mm laminated 8.8mm laminated	Manual blinds Electrical blinds Switchable glass	6mm tempered + 8mm tempered	46 dB				
								6mm tempered + 8.8mm laminated	47 dB				
								8.8mm laminated + 8.8mm laminated	48 dB				
								8.8mm laminated + 8.8mm laminated	49 dB				
					Head Channel - Base Channel	Tolerance	Vertical Joints	Racking Strips	Other Options	Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
			Steel Panel	30mm shadow gap or 35mm shadow gap	+ 7.5mm / -14.5mm + 12.5mm / -20mm +/- 25mm (deflection head)	0mm / 3mm / 6mm	Yes	Whiteboards / Pinboards; Timber skin Fabric	Steel Panels (6mm joint)	51 dB	B-s1, d0		
								Melamine Panels (6mm joint)	47 dB				
								1 side Steel + 1 side Melamine (6mm joint)	49 dB				
								Steel Panels (6mm joint) with Gypsum Boards reinforcement	52 dB				
					Leaf Thickness	Frame Type	Butt Hinges (H) / Pivot Hinges (P)	Glass type		Acoustic Test Configuration	Acoustic performance (Rw)	Fire Resistance	Impact resistance (ETA 003)
	Flush Double glazed doors	54mm	CS3 (53mm) C35 (35mm)	H	6+6mm tempered	Switchable glass; Manifestation	Steel Panel + 54mm thick double glazed door	42 dB (A)					
		100mm									H & P	6+8mm tempered	Switchable glass; Blinds; Manifestation
	Glass Door	10mm / 12mm	CS3 (53mm) C35 (35mm)	H & P	10mm tempered 12mm tempered	Manifestation	Steel Panel + 10mm thick tempered glass door (without drop seal)	26 dB					
							Steel Panel + 10mm thick tempered glass door (without drop seal)	36 dB					
			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	CS3 (53mm) C35 (35mm) C28 (28mm)	H & P	40mm / 44mm Timber Leaf		Steel Panel + 44mm thick timber door	36 dB (A)					
		Steel Door					44.5mm	44.5mm Steel Door			46 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.