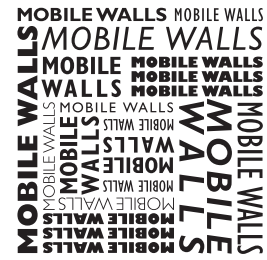


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general description  
folding partitions  
**UNO & DUPLO**



Espero mobile partitions efficiently divide space with the utmost ease and flexibility. Whether the requirement is acoustics, aesthetics, ease of use or cost effectiveness Espero has the answer.

The Uno and Duplo range of folding partitions are the most cost effective means of dividing space. These partitions are timber based, consisting of narrow panels of high quality chipboard joined by continuous PVC profiled strip hinges. The individual panels can be finished in virtually any material used in interior design. Lacquered in any colour; high quality wood veneers, hard plastics, melamine, etc.

The Uno is a single skinned partition while the Duplo is double walled to provide enhanced acoustics and greater stability. The Uno, as standard, has limited sound insulating value but can be produced in the 'A' execution which includes a sound insulating PVC sweep seal (and also draught insulating) which increases the Rw value to 28dB (estimated laboratory value). The Duplo is internally reinforced by steel hinges and sound insulating materials are sandwiched between each facing board. The standard Duplo has a Rw value of 41dB (estimated laboratory value) but can be produced in the 'S' execution which increases the Rw value to 43dB (est. Lab value).

The Uno and Duplo are suspended from a top track by means of double wheeled trolleys moving the walls along without the need of a floor track. The track of this wall is also available in a curved angle where the radius is not smaller than 920mm. The panels run mono directionally but this does not reduce the flexibility of the partitions. Each wall is built up by a series of wings which inter-connect to form the wall (see schematic drawings).

This means that the wall can be:

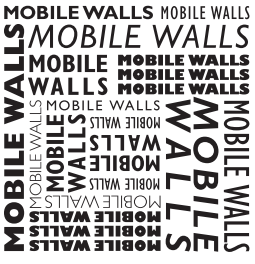
- one single wing which opens on one side only as is fixed at the other side to the wall (max. 6000 mm).
- one single wing which opens at both sides - a floating wing (max. 6000 mm)
- two wings fixed at the ends and meeting in the middle (max. 2 x 6000 mm)
- one wing fixed at one side and one wing floating (max. 2 x 6000 mm)
- two wings fixed and one wing floating (max. 3 x 6000 mm)
- etcetera, the number of combinations are endless.

The end of each wing is finished with an end post which inter-connect with either a wall jamb or another end post depending on the layout of the wall (see above). Each wall post is supplied with a door handle and latch system which can if needed be lockable.

Where appropriate the wall can be also be specially designed to fit in a custom made niche. To reduce the number of panels needed a sliding niche panel is attached to the end post – therefore sealing the pocket when the wall is in the closed position.

Due to the hinged system the wall can be open and closed in one easy and quick movement. This makes the Uno and Duplo ideally suitable for areas of high usage and equally because there is very little maintenance required.

The content of this Technical Data Sheet have been completely brought up to date.  
**Espero BV** has the right to make amendments without giving notice in advance.  
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Type	Duplo 66	Duplo 88	Duplo 122
Characteristics /Application	For use in small areas	For use in medium to large areas i.e. church halls.	Aesthetic option.
Panel sizes: Panel Width Package/Stacking Width Height Wing Length*	2 x 142 mm 344 mm Maximum 4000 mm Max.Wing Length 6000 mm	2 x 192mm 444 mm Maximum 4000 mm Max.Wing Length 6000 mm	2 x 294 mm 648 mm Maximum 4000mm Max.Wing Length 6000 mm
Deviating specifications by request.			
Package Thickness when stacked:	200mm/ml + 150 mm for each closing post/end post.	150mm/ml + 150 mm for each closing post/end post	100mm/ml + 150 mm for each closing post/end post
Above calculations are approximate. Exact sizes available upon request.			
*Wall/Opening Width	Wall opening width is unlimited but must be built up in a series of wings. Please see schematic to see possible combinations.		
Width of Recess-when used	500mm	600mm	800mm
Hinges	profiled extruded PVC		
Boards	High quality E1 chipboards 12mm (680 – 720 kg/m <sup>3</sup> )		
Sound Insulation Rw-value (estimated laboratory values)	Standard = 41 dB	'S' execution = 43 dB - extra sound absorbing materials are sandwiched between the facing boards.	
Finishes to Board Surface	All normal finishes that are used in interiors		
Weight m <sup>2</sup>	40kg/m <sup>2</sup>	40kg/m <sup>2</sup>	40kg/m <sup>2</sup>
Top and bottom sealing of the panels	Sweep seals top and bottom.		
Closure of panel	The end panel is always a closure post. The closure post fits onto a aluminium extruded wall jamb. This panel is supplied with a door handle and latch which closes onto the wall jamb. The closure post is supplied with a Euro Cylinder lock as standard		
Track	Heavy-duty aluminium profile 42 x 32 mm. (width x height)		
Multiple-wheel Trolleys	Steel ball bearings with plastic (PA/Nylon) surface for smooth and silent movement of the walls.		
Pelmet Boards	306 mm (W) x 32 mm (H)	350 mm (W) x 32 mm (H)	450 mm (W) x 32 mm (H)
Static behaviour	The panels may not be subjected to external forces or weights as the trolleys and tracks are designed for a specific load.		
Environmental constraints	1. Only suitable for inside use 2. Dry surroundings with maximum relative air-humidity of 60%		
Remarks	All aluminium profiles: EN AW-6060 T6 / YB6 - AA05 - VOMI		

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