E1 PARTITION

TECHNICAL DATA SHEET

Description

- self-supporting single partition for non-load bearing purposes

Composition thickness 60 mm

- 1 E60 Ekopanely board layer

Recommended use

- light partitions and screens
- bathroom (optical separation of the toilet)
- kitchen (extension of the wall to the line)
- cloakroom separation
- separation of the space under the stairs

Restrictions

- maximum partition height 2800 mm
- use of only 1 piece of E60 upright (placement of E1 partitions upright is not possible)
- the need for double-sided finishing
- ordering of the Ekopanely board height according to the size of the custom-made partition (1200-2800 mm)

Technical information and parameters

DESCRIPTION	VALUE		UNIT	LEGAL REGULATION	
1x E60 Ekopanely board					
dimensions: thickness	58 (tolerance + 2	2 mm)	mm		
width	1200, 800		mm		
length	1200 - 2800		mm		
air soundproofness	33		dB	ČSN EN ISO 717-1	
fire resistance	EI 30 DP3			EN 13501-2, EN 1364-1	
fire response category	E			EN 13501-1	

Note

delivery methods and storage conditions are provided in the technical data sheet of the product

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Installation procedure

- cutting (circular saw, jig saw) → edge bonding
- laying of Ekopanely boards in one row observing the regular alternation of the top layer (\downarrow TOP \downarrow) and the back of the Ekopanely boards
- cutting of the groove for wiring (circular saw at an angle of 45 °) permissible only parallel to the length of the Ekopanely board
- cutting of holes for wiring (bore drill diameter 68 mm KP 64 LD or diameter 73 mm KU 68 LD, KPRL 68-70 LD)
- hanging of objects → screwing in of screws without pre-drilling and plastic wall plugs

VARIANT - UNI WALL CLAMP

- placing and anchoring of a partition with UNI wall clamps:
 - → mark out the position of the partition on the floor, the ceiling and the existing walls
 - → placing on a concrete substrate:
 - Screw down the 60/40 mm foundation plate with:
 - 10 mm plastic wall plugs x 600 mm and EP 6x100 mm wood screws
 - 10x100 mechanical anchors mm x 600 mm
 - 10 mm diameter threaded rods and chemical anchors x 600 mm
 - 6x100 mm turbo screws x 600 mm
 - → laying on a wood-based substrate (OSB, DTD, boards, ...):
 - Screw down the 60/40 mm foundation plate with:
 - EP 5x60 mm wood crews x 600 mm
 - → screw UNI wall clamps into the foundation plate and ceiling using EP 4x50 mm wood screws x 400 mm
 - → apply compression insulating tape or low expansion installation foam onto the foundation plate, the ceiling and the existing partition wall always for the installed board
 - → insert the Ekopanely board into the prepared place
 - → screw the board to the clamps with EP 4x50 mm UNI wall screws
- joining boards with UNI wall clamps
 - → screw the UNI wall clamps on the vertical free edge of the fixed Ekopanely board along its entire length using EP 4x50 mm wood screws x 500 mm, the first clamp x 250 mm from the floor and the ceiling (on the ceiling and on the foundation plate, the clamps are already anchored over the entire length of the partition)
 - → apply compression insulating tape or low expansion installation foam to the entire free edge of the anchored Ekopanely board, on the foundation board and the ceiling
 - \rightarrow place the second Ekopanely board snug on the joint so that the requirement of the regular alternation of the top (\downarrow TOP \downarrow) and the back side of the boards is adhered to
 - → screw the UNI wall clamps using EP 4x50 mm screws into the second Ekopanely board

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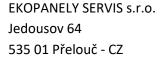
- \Rightarrow any gaps can be sealed up by inserting compression insulating tape or low-expansion installation foam
- \rightarrow repeat the assembly procedure systematically up to the other end of the partition where the last panel is width-adjusted as needed

Installation tools

- hand-held circular saw
- jig saw
- drill
- hole saw (jig-borer)
- cordless drill/driver
- pistols for PUR foam
- hook for carrying Ekopanely boards

Consumption and a description of fasteners

Partition E1 10 m ²			
MATERIAL DESCRIPTION	AMOUNT		
Foundation plate 60/40 mm	4 LM		
Anchoring of the foundation plate	7 pcs		
UNI wall clamp	45 pcs		
Screw EP 4x50 mm	270 pcs		
Ekopanely E60	10 m ²		
Self-adhesive tape SP 100	1 pc /50 m ² according to the number of cuts		
Mounting foam 750 ml	yield 1 pc/20 m ²		



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