

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 width length | 58 (tolerance + 2 mm) 1200, 800 1200 - 2800 | mm mm 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

Installation procedure

- cutting (circular saw, jig saw) → edge bonding
- laying of Ekopanely boards in one row - observing the regular alternation of the top layer (↓ TOP ↓) 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
 - place the second Ekopanely board snug on the joint so that the requirement of the regular alternation of the top (↓ TOP ↓) 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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→ any gaps can be sealed up by inserting compression insulating tape or low-expansion installation foam

→ 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 m² | |
|--------------------------------------|---|
| 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 |