

EKO1 – E40 INNER CLADDING

TECHNICAL DATA SHEET

Description

- simple inner covering of walls

Composition thk. 100 mm

- 2x wooden grating thk. 30 mm
- E40 Ekopanely board

Recommended use

- vertical wall covering of masonry and wooden structures

Restrictions

- shape stable base of masonry and wooden structure
- ensuring the proper functioning of the waterproofing of the base structure, including proper dehumidification of the building
- maximum wall height 3200 mm
- ensuring the proper ventilation of the installation gap

Technical information and parameters

DESCRIPTION	VALUE	UNIT	LEGAL REGULATION
1x E40/800 Ekopanely board			
dimensions: thickness	38 (tolerance +2 mm)	mm	
width	800	mm	
length	1200 - 3200	mm	
2x wooden raster	30/50	mm	

Note

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

Installation procedures

- cutting (circular saw, jig saw) → edge bonding
- laying of Ekopanely boards in one row – only the face side on the outer surface (↓TOP↓)
- wiring in the space of the installation gap (wooden grating)
- cutting holes for electrical installations (bore drill \varnothing 68 mm – KP 64 LD or \varnothing 73 mm – KU 68 LD, KPRL 68-70 LD)
- hanging of objects up to 30kg → screwing in of screws without pre-drilling and plastic wall plugs into the Ekopanel



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- hanging of objects over 30 kg → reinforcement of wooden construction and anchoring of objects to this construction

COVERING OF INNER EKO1 - E40 CLADDING

- anchoring of wooden levelling grating to the base:
 - anchor a levelling vertical raster to the existing wall, which will act as a vented gap
 - foundation on wooden base:
 - screw the levelling grate with a minimum size of 30/50 with:
 - structural screws (type, size, quantity,... according to the type and quality of the base)
 - foundation on base of systems of masonry materials:
 - screw the levelling grate with a minimum size of 30/50 with:
 - plastic wall plugs (type, size, quantity,... according to the type and quality of the base)
 - chemical anchors and threaded rods (type, size, quantity,... according to the type and quality of the base)
 - turbo screws (type, size, quantity,... according to the type and quality of the base)
- anchoring of wooden base grating to the levelling grating:
 - anchor the base grating of the minimum size 30/50 to the prepared leveling grating using EP 5x50 mm screws in the amount of 1 pc/joint at an axial distance of \acute{a} 400 mm. The maximum distance of the grating from the lower and upper edge of the Ekopanely board cladding is 100 mm.
- covering of inner EKO1 - E40 cladding:
 - apply low expansion assembly foam to the wooden grating contact area at the Ekopanely board laying location
 - !!! Always apply the Ekopanely boards vertically !!!**
 - insert the Ekopanely board in the prepared place with a length perpendicular to the horizontal wooden grating; place the Ekopanel in such a way that the requirement of the visual placement of the board is observed (↓TOP↓)
 - screw the Ekopanel flat to the wooden frame of the grating using EP 5x70 mm screws with EP-P1 washers (without pre-drilling and wall plugs) in the density of 9 screws/1 m²
 - apply low expansion assembly foam to the wooden grating contact area at the other Ekopanely board laying location and to the entire free edge of the anchored Ekopanel
 - screw the second Ekopanel in the extension of the previous one using EP 5x70 mm screws with EP-P1 washers (without pre-drilling and wall plugs) in a density of 9 screws/1 m²
 - systematically repeat the installation procedure up to the other end of the wall, where the last panel is adjusted as required

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- note
 - the application can be considered without PUR foam - it is necessary to consult with the supplier of the building system
 - it is absolutely necessary to ensure ventilation of the installation space behind the Ekopanel cladding. This space must not be filled with a thermal insulator. The Ekopanel serves as a pre-cladding that disrupts the heat transfer in the wall and thus ensures a higher surface temperature of the final interior wall surface.

Installation tools

- hand-held circular saw
- jig saw
- drill
- hole saw (jig-borer)
- cordless drill/driver
- PUR foam gun
- Ekopanel jack
- Ekopanel carrying hook

Consumption and a description of fasteners for Ekopanel installation (without installation rasters)

Inner cladding EKO1 - E40 10 m²	
MATERIAL DESCRIPTION	AMOUNT
EP 5x70 mm screw	90 pcs
EP-P1 washer	90 pcs
E40/800 Ekopanel boards	10 m ²
Self-adhesive tape SP 75	1 pc/50 m ² according to the number of cuts
Mounting foam 750 ml	spreading rate 1 pc/20 m ²