EKO1 – E40 INNER CLADDING

TECHNICAL DATA SHEET

Description

- simple inner covering of walls

Composition thk. 100 mm

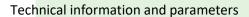
- 2x wooden grating thk. 30 mm
- E40 Ekopanely board

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



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 (\sqrt{TOP} \downarrow)
- wiring in the space of the installation gap (wooden grating)
- cutting holes for electrical installations (bore drill ø 68 mm KP 64 LD or ø 73 mm KU 68 LD, KPRL 68-70 LD)
- hanging of objects up to $30 \text{kg} \rightarrow \text{screwing}$ in of screws without pre-drilling and plastic wall plugs into the Ekopanel

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- hanging of objects over 30 kg \rightarrow 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 á 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:
 - ightarrow apply low expansion assembly foam to the wooden grating contact area at the Ekopanely board laying location

!!! Always apply the Ekopanely boards vertically !!!

- \rightarrow 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 (\downarrow TOP \downarrow)
- → 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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- <u>note</u>

- ightarrow 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)

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Inner cladding EKO1 - E40 10 m ²		
MATERIAL DESCRIPTION	AMOUNT	
EP 5x70 mm screw	90 pcs	
EP-P1 washer	90 pcs	
E40/800 Ekopanely 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	

