EKO1 – E60 INNER CLADDING

Description

- simple inner covering of walls
- Composition thk. 120 mm
 - 2x wooden grating thk. 30 mm
 - E60 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 E60/1200 Ekopanely board			
dimensions: thickness	58 (tolerance +2 mm)	mm	
width	1200	mm	
length	1200 - 3200	mm	
2x wooden raster	30/50	mm	

Note

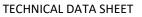
- delivery methods and storage conditions are provided in the technical data sheet of the product

Installation procedures

- cutting (circular saw, jig saw) → edge bonding
- laying of Ekopanely boards in one row only the face side on the outer surface (\downarrow 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 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 \rightarrow reinforcement of wooden construction and anchoring of objects to this construction

COVERING OF INNER EKO1 - E60 CLADDING

- anchoring of wooden levelling grating to the base:
 - ightarrow anchor a levelling vertical raster to the existing wall, which will act as a vented gap
 - \rightarrow 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)
 - \rightarrow 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:

 \rightarrow 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 - E60 cladding:

 \rightarrow 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)

 \rightarrow screw the Ekopanel flat to the wooden frame of the grating using EP 5x100 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 5x100 mm screws with EP-P1 washers (without pre-drilling and wall plugs) in a density of 9 screws/1 m^2

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ightarrow systematically repeat the installation procedure up to the other end of the wall, where the last panel is adjusted as required

<u>note</u>

 \rightarrow the application can be considered without PUR foam - it is necessary to consult with the supplier of the building system

 \rightarrow 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 - E60 10 m ²		
MATERIAL DESCRIPTION	AMOUNT	
EP 5x100 mm screw	90 pcs	
EP-P1 washer	90 pcs	
E60/1200 Ekopanely boards	10 m ²	
Self-adhesive tape SP 100	1 pc/50 m ² according to the number of cuts	
Mounting foam 750 ml	spreading rate 1 pc/20 m ²	

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