



EKOPANELY®



From
partitions
to homes

www.ekopanely.com



Partition E1, thickness 60 mm

Self-supporting single partition wall for non-load bearing applications



Recommended applications:

- Lightweight partitions and screens
- Bathroom (optical separation of the lavatory)
- Kitchen (extension of the wall to the kitchen unit)
- Separation of cloakroom
- Separation of the space under the stairs

Specifications:

- Max. partition height 3200 mm
- Use only 1 piece of E60 for partition height
- Caution: Order the height of the Ekopanely boards according to the size of the custom-made partition (1200 - 3200 mm)
- Fire resistance EI 30 D3
- Sound insulation R_w 33 dB



Partition E2, thickness 120 mm

Self-supporting double partition wall for non-load bearing applications



Recommended applications:

- Partitions without technical installations
- Partitions dividing any type of room (hallway, kitchen, living room, bathroom, bedroom, cloakroom, etc.)

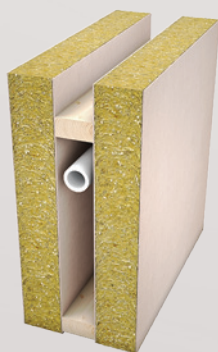
Specifications:

- Max. partition height 3200 mm
- Use only 1 piece of E60 for partition height
- Caution: Order the height of the Ekopanely boards according to the size of the custom-made partition (1200 - 3200 mm)
- Fire resistance EI 30 D3
- Sound insulation R_w 39 dB



Partition E2 I, thickness 145 + X mm

Installation self-supporting partition for non-load bearing applications



Recommended applications:

- Partitions, including technical installations
- Partitions dividing any type of room (hallway, kitchen, living room, bathroom, bedroom, cloakroom, etc.)

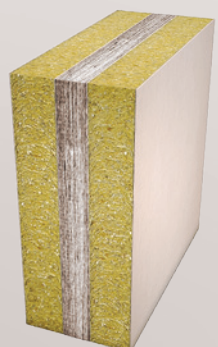
Specifications:

- Max. partition height 3200 mm in standard applications
- 2 layers of E60, including the wooden grating
- Caution: Order the height of the Ekopanely boards according to the size of the custom-made partition (1200 - 3200 mm)
- Sound insulation R_w 40 dB



Partition E2 A, thickness 120 + X mm

Acoustic self-supporting partition for non-load bearing applications



Recommended applications:

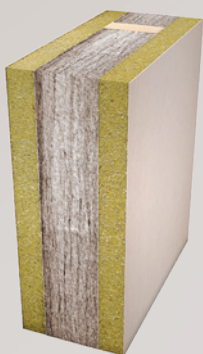
- Partitions, including technical installations
- Partitions in spaces where greater sound insulation is required (children's room, bathroom, bedroom, etc.)

Specifications:

- max. partition height 3200 mm in standard applications
- 2 layers of E60 including a wooden grid and acoustic insulation
- Caution: Order the height of the Ekopanely boards according to the size of the custom-made partition (1200 - 3200 mm)
- Sound insulation R_w 43 dB



Partition E2 N, thickness 240 mm



Interior load bearing partition

Recommended applications:

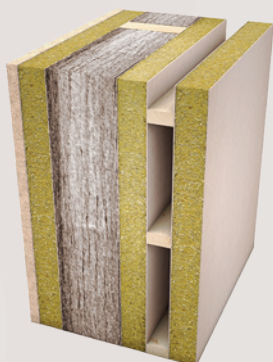
- for supporting purposes and for the bracing of the structure

Specifications:

- Choose the max. partition height according to a designed supporting structure
- 2 layers of E60 including a wooden structure filled with acoustic insulation
- Fire resistance REI 45



Exterior wall EK03, thickness 380 mm



Exterior wall with Ekopanely board cladding

Recommended applications:

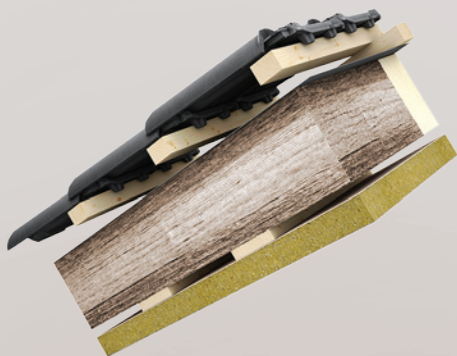
- Vertical exterior wall of low-energy houses

Specifications:

- Heat transfer coefficient $U=0.179 \text{ W/m}^2\cdot\text{K}$
- Structure composition: fiber board, E60, KVH beam including thermal insulation, E60, wooden grid, E60
- Fire resistance REI 45



Ceiling EK01, thickness 85 mm



Interior cladding of ceilings and slanted walls

Recommended applications:

- Ceiling constructions
- Roof extensions and loft conversions

Specifications:

- 1 layer of E60 anchored to a wooden grid
- Thermal phase shifting: up to 12 hours
- Fire resistance EI 45 D3

Advantages of houses built of Ekopanely boards

- Heat accumulation
- Acoustic absorption
- High mechanical resistance
- Vapour permeable
- Insulation properties
- Thermal stability
- Energy savings
- Fire resistance
- DIY possibility
- Easy to install
- Quick completion of dry construction
- Custom size boards
- 100 % ecological product
- Natural climate inside the house
- Harmless to health
- Recyclable



Ekopanely board E40/800



Construction straw board without surface finish

Recommended applications:

- Exterior wall cladding on the inside
- Partitions and floors
- Ceilings constructions
- Roof extensions and loft conversions
- Interior cladding of an existing wall on a wooden grid
- Determination of volatile organic compounds (VOC) - A+

Specifications:

- Thickness 38 mm (tolerance +2 mm)
- Width 800 mm
- Length 1200 - 3200 mm
- Average density 379 kg/m³
- Thermal conductivity $\lambda=0.099$ W/m.K
- Water vapour resistance factor $\mu=9.7$
- Fire response category E



Ekopanely board E60/800, E60/1200



Construction straw board without surface finish

Recommended applications:

- Exterior wall cladding
- Cladding of interior load bearing walls
- Partitions and floors
- Ceilings constructions
- Roof extensions and loft conversions
- Interior cladding of an existing wall on a wooden grid
- Determination of volatile organic compounds (VOC) - A+

Specifications:

- Thickness 58 mm (tolerance +2 mm)
- Width 800, 1200 mm
- Length 1200 - 3200 mm
- Average density 379 kg/m³
- Thermal conductivity $\lambda=0.099$ W/m.K
- Water vapour resistance factor $\mu=9.7$
- Fire response category E

The EKOPANELY Company

- Design, production and implementation
- More than 600 completed projects in EU
- Low-energy houses and passive houses
- Production of Ekopanely boards since 1999
- Worldwide export
- More than 15 years of experience
- 2 production lines
- Unique production program in Europe

What we do...

- Building design
- Wooden structures design
- Custom size production of Ekopanely boards
- Technical support
- Project implementation
- Loft conversions
- Renovations
- Building supervision
- Professional training

