



# STRAWPANEL<sup>®</sup>

From Partitions to Home



STRAWPANEL<sup>®</sup> is  
a suitable to use for  
**wooden, concrete and steel constructions**  
with **100% ecological** pannels



**E1**

## Strawpanel® Partition – 60 mm thick wall composition

System solutions

Self-supporting simple partition wall for non-supporting 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

**Parameters:**

- Max. partition height 3200 mm
- Use only 1 piece of E60 for partition height
- Caution: Order the height of the Strawpanel® according to the size of the custom-made partition (1200 - 3200 mm)
- Fire resistance EI 30 D3
- Acoustic dampening 33 dB

**E2**

## Strawpanel® Partition – 120 mm thick wall composition

Self-supporting double partition wall for non-supporting applications

**Recommended applications:**

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

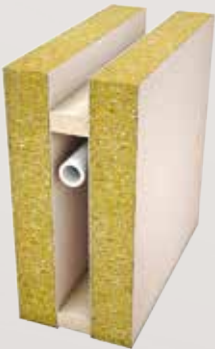
**Parameters:**

- Max. partition height 3200 mm
- Use only 1 piece of E60 for partition height
- Caution: Order the height of the Strawpanel® according to the size of the custom-made partition (1200 - 3200 mm)
- Fire resistance EI 30 D3
- Acoustic dampening 33 dB

**E2 I**

## Strawpanel® Partition wall – 145 mm thick wall composition

Installation self-supporting partition for non-supporting applications

**Recommended applications:**

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

**Parameters:**

- Max. partition height 3200 mm in standard applications
- 2 layers of E60, including the wooden grating
- Caution: Order the height of the Strawpanel® according to the size of the custom-made partition (1200 - 3200 mm)

**E2 A**

## Strawpanel® Partition – 120+x mm thick wall composition

Acoustic self-supporting partition for non-supporting applications

**Recommended applications:**

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

**Parameters:**

- 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 Strawpanel® according to the size of the custom-made partition (1200 - 3200 mm)
- Acoustic dampening 43 dB



# E2 N

## Strawpanel® Partition – 240 mm thick wall composition

System solutions

### Interior supporting partition

**Recommended applications:**

- For supporting purposes and for the bracing of the structure

**Parameters:**

- 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

# ECO3

## Strawpanel® Perimeter wall - 382 mm thick wall composition

### Perimeter wall with Strawpanel® cladding

**Recommended applications:**

- Vertical perimeter wall of low-energy houses

**Parameters:**

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

# ECO1

## Strawpanel® Soffit ceilings

### Interior simple cladding of ceilings and slanted walls

**Recommended applications:**

- Soffit ceilings
- Garrets and lofts

**Parameters:**

- 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 Strawpanel®

- Heat accumulation
- Acoustic potential
- High mechanical resistance
- Diffusion-open material
- Insulation properties
- Thermal stability
- Energy savings
- Fire resistance
- DIY possibility
- Easy to install
- Quick completion of dry construction
- Customized board sizes
- 100 % ecological product
- Natural climate inside the house
- Harmless to health
- Recyclable



# E40

## Strawpanel® 40

Our  
products



### Construction straw board without surface finish

#### Recommended applications:

- Perimeter wall cladding on the inside
- Cladding of interior bearing walls
- Partitions and floors
- Soffit ceilings, slanted walls, garrets and lofts
- Interior cladding of an existing wall on a wooden grid

#### Parameters:

- Thickness 38 mm (tolerance +2 mm)
- Width 800 mm
- Length 1200 - 3200 mm
- Average density 379 kg/m<sup>3</sup>
- Heat transfer coefficient  $\lambda=0.099$  W/m.K
- Diffusion resistance coefficient  $\mu=9.7$
- Fire response category E

# E60

## Strawpanel® 60



### Construction straw board without surface finish

#### Recommended applications:

- Perimeter wall cladding
- Cladding of interior bearing walls
- Partitions and floors
- Soffit ceilings and slanted walls
- Garrets and lofts
- Interior cladding of an existing wall on a wooden grid

#### Parameters:

- Thickness 58 mm (tolerance +2 mm)
- Width 800, 1200 mm
- Length 1200 - 3200 mm
- Average density 379 kg/m<sup>3</sup>
- Heat transfer coefficient  $\lambda =0.099$  W/m.K
- Diffusion resistance coefficient  $\mu=9.7$
- Fire response category E

## The ECOPANEL Company

- Investment plan of Strawpanel® Turkey started 2013, production started 2015
- More than 15 years usage in European buildings wall, ceiling, roof
- Ecoboard® is new production for roof isolation systems
- Unique production program in worldwide
- Worldwide export of production
- Building of low-energy houses
- 3 in 1 presentation: design, production and implementation
- Technical support
- Professional training



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