



EKOPANELY®

PRODUCT
PRESENTATION



Presentation - Outline

AT FIRST, THANK YOU ALL FOR YOUR VALUABLE TIME

EKOPANELY BOARD

- History
- Ekopanely Board
- Advantages
- Product Range
- Specifications
- Applications
- Completed Projects
- Summary
- Question Time





History

- England
- Hertfordshire
- 1953





Ekopanely Board



Ekopanely boards are ecological vapour permeable construction panels produced at high temperatures and under high pressure to create a core of compressed straw using no bonding agents and then the core is enclosed using recycled cardboard.



The low CO2 emission production process ensures Ekopanely board is a construction material with a negative carbon footprint.



Ekopanely board is one of the most eco-friendly construction materials ideal for the low impact building developments and also for a wide range of constructions.



Straw is the cost effective raw material that assures Ekopanely board is an inexpensive building element suitable for affordable housing with an ultra-low running cost.



Ekopanely board is a non-toxic and harmless building material creating a safe living environment and natural climate.



Advantages

- 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



Product Range (E60, E40)

Ekopanely board E60/800, E60/1200



Applications:

- Exterior wall cladding
- Cladding of interior load bearing walls
- Partitions and floors
- Ceiling constructions
- Roof extensions and loft conversions
- Interior cladding of existing walls

Ekopanely board E40/800



Applications:

- Exterior wall cladding on the inside
- Partitions and floors
- Ceiling constructions
- Interior cladding of existing walls



Specifications

| <i>Specification</i> | Ekopanely E40 | Ekopanely E60 |
|---|-------------------------|-------------------------|
| Thickness | 38 mm (tolerance +2 mm) | 58 mm (tolerance +2 mm) |
| Width | 800 mm | 1200, 800 mm |
| Length | 1200 - 3200 mm | 1200 - 3200 mm |
| Average basis weight | 16 kg/m ² | 22 kg/m ² |
| Average density | 379 kg/m ³ | 379 kg/m ³ |
| Thermal conductivity: λ | 0,099 W/(m.K) | 0,099 W/(m.K) |
| Water vapour resistance factor: μ | 9,7 | 9,7 |
| Fire response category | E | E |
| Determination of volatile organic compounds (VOC) | A+ | A+ |



Applications - Partitions

Interior partitions





Applications – Exterior walls

Exterior walls





Applications - Ceilings



Ceilings constructions





Completed Projects





Completed Projects





Completed Projects



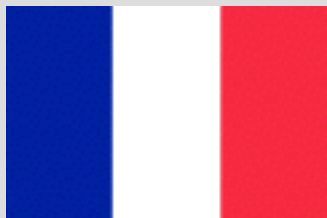


Completed Projects





Completed Projects





Completed Projects





Completed Projects





Completed Projects





Completed Projects





Completed Projects





Completed Projects





Summary



- Ecological vapour permeable construction board.
- Suitable for constructions of new buildings, refurbishments, renovations and extensions.
- Can be used for internal partition walls, ceiling construction, cladding and also for all exterior work.



Question Time





Thanks for your attention



EKOPANELY®

EKOPANELY SERVIS s.r.o.

Jedousov 64

535 01 Přelouč

Czech Republic

tel: +420 466 972 421

e-mail: info@ekopanely.cz