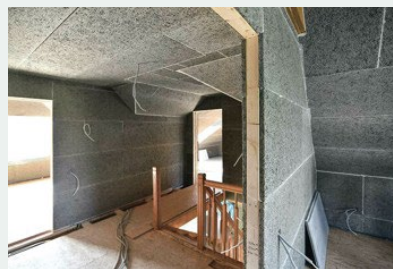


CEWOOD BUILDING PANELS**CEWOOD Building panels for thermal insulation, renovation and construction**

CEWOOD Building panels are a natural and environmentally friendly material manufactured in Latvia. They are produced using high-quality wood wool, with premium-quality cement used as the binder. Thanks to their natural raw materials, the panels help create a pleasant microclimate in timber structures. This material has been used and proven in Europe for more than 100 years and in Latvia for more than 60 years.

The panels are suitable for the construction of walls and other structures. They are used for both exterior and interior plastering in restoration, reconstruction and building construction projects. The material can be sawn, drilled, routed and cut to suit the dimensions of a specific structure.

**CEWOOD Building panels have a wide range of applications:**

- **Building envelope structures** – CEWOOD Building panels are used in walls, partitions, floors, roof structures and other building envelope constructions;
- **Thermal insulation of buildings** – the panels are used particularly in timber frame buildings, in the renovation of older buildings and in structures where increased thermal inertia is required;
- **Sound insulation solutions** – CEWOOD Building panels can be used in sound insulation systems.

To create a stable structure and ensure a durable, high-quality plastered surface, the installation solution for CEWOOD Building panels must be selected according to the panel thickness, type of structure, fastener layout and expected loads. Installation, reinforcement and plaster application should be carried out as interrelated stages of the work, in accordance with the technical documentation.

CEWOOD BUILDING PANELS



Technical data

Thickness	mm	25	35	50	100
Size	mm	2400x600			
Dimensional tolerance (EN 13168)		L3; W1; T2; S2; P2			
Weight	kg/m ²	11.5	15.0	20.0	39.0
Density	kg/m ³	450	430	400	390

Thermal resistance (Ro)	m ² ·K/W	0.35	0.50	0.75	1.55
Thermal conductivity (λD)	W/m·K	0.064			
Specific heat (c)	J/(kg·K)	1300			
Bend (EN 12089)	kPa	≥ 1300	≥ 1000	≥ 700	≥ 300
Compression (EN 826)	kPa	≥ 300	≥ 300	≥ 300	≥ 200
Chloride content (EN 13168)	%	≤ 0.15			
Reaction to fire (EN 13501-1:2007)		B-s1, d0			

CEWOOD Building panels can be installed on support laths or directly onto a timber frame. The installation method, fastener layout and plaster system should be selected according to the panel thickness, type of structure and expected loads.

Before installation, the panels should be stored in a dry, well-ventilated place and protected from direct sunlight, water and ground moisture. Before installation, they should be allowed to acclimatise to the surrounding environmental conditions for one to two weeks.

The panels can be sawn, sanded and routed, and the necessary openings can be made using standard hand or power tools. When plastering the panels, additional reinforcement mesh should be embedded in areas of increased stress, while continuous reinforcement mesh should be applied over the entire panel surface. Depending on the type of structure, either a thin-layer plaster or mineral plaster system should be used.

More detailed information on panel properties, storage, processing, fastening, reinforcement and plaster systems is available in the technical documents:

- **CEWOOD Building panels technical data** – panel dimensions, thicknesses, weight, density, and thermal and mechanical properties.
- **Installation instructions** – fasteners, installation on support laths and timber frames, reinforcement, thin-layer plaster system and massive plaster system.
- **General guidelines for working with CEWOOD Building panels** – material inspection, storage, occupational safety, sawing, sanding, routing and making openings.