

FIBERCEMENT / NEW GENERATION BOARD

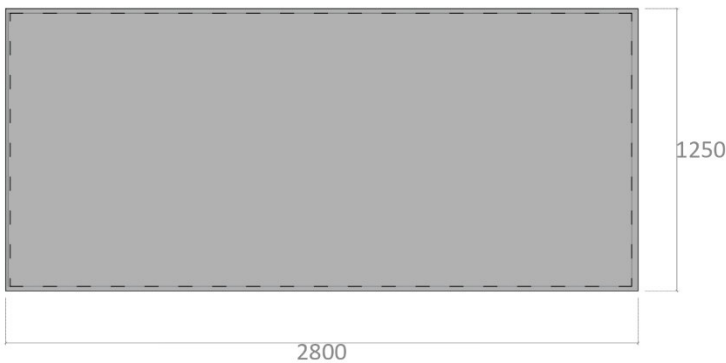
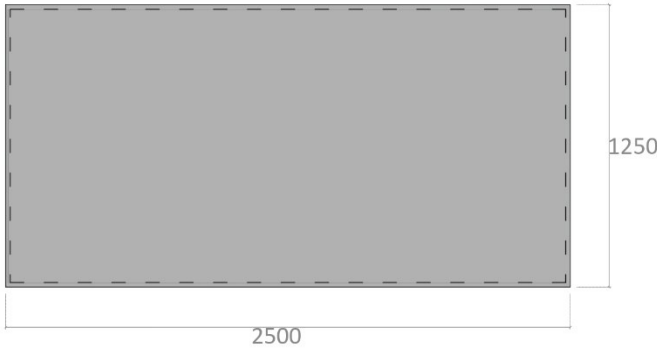
Technical Data Sheet

Eco-friendly Ekobord fiber cement boards feature prominent textures achieved through advanced flow-ontechology and press system. Various texture options are available. Ekobord has developed Colorex a colored pulp product. The press system used in production enhances the strength of the boards, ensuring durability even in harsh climatic conditions. Using the facade systems recommended by Ekobord can save energy costs up to 40% and extend the building's lifespan. While the standard limit for fiber cement boards in cyclic life tests is 75, Ekobord products exceed this with a durability of 87 cycles. It features A1-class non-flammability and also prevents the spread of fire quickly. Facade cladding can be done effortlessly.

Physical Specifications (EN 12467)

Thickness	mm	8-10-12-14-16
Width	mm	1250
Lenght	mm	2500-2800

Standard Dimensions



Unit Volume Weight (Density)	kg/m ³	~1370 ± 50
Tolerances		
Thickness		Flat Textured Boards %10 Patterned Textured Boards %10 -%15
Width / Length	mm	±3,75 / ±5
Edge Smoothness	%	±0,1
Technical Specifications (EN 12467)		
Bending Strength		
1. Wet Conditions	MPa	>7
2. Laboratory Conditions	MPa	>10
Compressive Strength	Mpa	>35
Modulus of Elasticity	Mpa	>6000
Coefficient of Thermal Conduction (λ)	w/mK	<0,18
Thermal Expansion Coefficient (α)	mm/mK	<0,005
Vapor Diffusion Resistance Coefficient	μ	190
Water Exposures	mm/m	~0,5
Moisture	%	10 (depending on the atmosphere humidity)
Porosity	%	~30
Water Absorption Ratio	%	25
Other Specifications		
Fire Resistancy (EN13501)		A1
Asbestos		NT Type (non-asbestos) Board
Frost Resistance		Freeze-thaw resistant according to TS EN 12467
Water Impermeability		Impermeable according to TS EN 12467
Organic Pests and Gas Emission		Does not contain any organic pests and toxic gas emissions are not available.

**The performance values stated in this technical data sheet are based on the product's characteristics under temperature conditions ranging from -20°C to +60°C. All tests were conducted in a controlled laboratory environment in accordance with the relevant standards.*