



Licata A1 Multipurpose Fibre Cement Board

Cement based, fast and easy installation boards

For a **habitable environment** and **reliable structures** ...

Areas of Usage

- Construction of interior and exterior walls for all kinds of buildings.
- Ventilating façade cladding systems
- Insulated – coated claddings,
- All surfaces of prefab and light steel structures.
- Steel constructed sections of structures,
- Finishing material by just painting,
- Interior or exterior backerboard under coating materials, paper hangings or ceramics,
- Under the tiles in wet areas,
- Interior and exterior ceiling coatings,
- Suspended ceilings,
- Fire-proof partitions,
- Sound insulated surfaces,
- Heat insulation systems,
- Backerboard for roof coatings,
- Backboard for cabinets or billboards,
- Walls, parapets and roofs of balconies and terraces,
- Fascias and soffits,
- Steel constructed or fake columns,
- Construction site fencing,
- Building Shafts

Benefits of Licata Cement Boards

NATURE FRIENDLY: Does not contain environmentally hazardous materials.

DOES NOT CONTAIN UNHEALTHY MATERIALS: Does not contain materials that are harmful to human or living beings.

NO ASBESTOS: Our products are **ASBESTOS FREE**.

HAS A1 CLASS OF INCOMBUSTIBILITY: A1 class is defined as nonflammable in TS EN 13501-1.

HAS NO TOXIC GAS EMISSION IN CASE OF FIRE: The most dangerous situation in case of fire is smoke poisoning. For this reason, materials used in structures must not emit toxic gasses in case of fire.

RESISTANT TO MOSIT AND WATER: Can be used with confidence in both humid and cold areas.

RESISTANT TO DIRECT SUNLIGHT: Has resistance to UV effects of direct sunlight.

RESISTANT TO SEASONAL CONDITION CHANGES: Has resistance to different weather conditions.

EASY TO INSTALL / MODIFY: Savings on labor hours due to machinability.

ODOURLESS: No gas emission at usage area.

PROTECTS AND EXTENDS LIFE-SPAN OF INSULATION MATERIALS: Extends the life-span of insulation material, when used on heat / sound insulation systems.

IMPACT RESISTANCE: Has high impact resistance for predictable physical effects.

RESISTANT TO BIOLOGICAL AND CHEMICAL WASTES: Can be used in farm sheds and animal shelters.

LIGHTWEIGHTED: Can be carried easily on construction sites. Does not contribute to structural loads.

RESISTANT TO ROT, MOULDING AND BUG INFESTATION: Insect, mould and rot resistant.

EASY TO CUT / FORM, can be easily cut on sites via fibercement knives, fibercement reciprocating saws or fibercement circular saws.

PROVIDES MANY SOLUTIONS IN STRUCTURAL PROJECTS: Can be used in any architectural solution.

FINAL SURFACING MATERIAL: Ready for painting. There is no need to plaster. Saves labour and time

REPAINTABLE: After application, painting necessity provides unlimited color choices and can be painted many times.

CEMENT BASED: Has the resistance properties of cement against hard conditions.

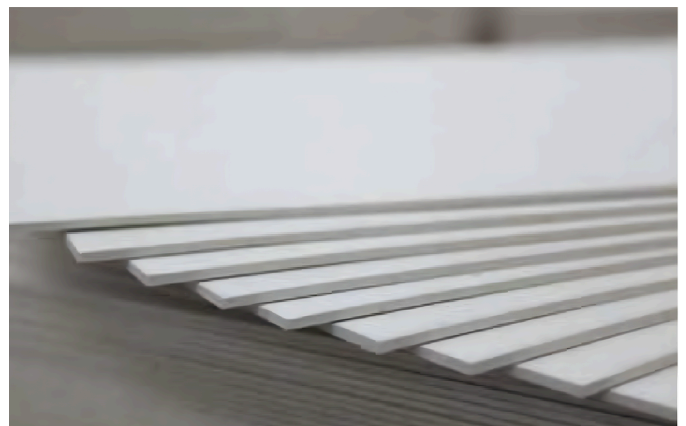
CAN BE USED WITH INSULATION MATERIAL IN PREFERRED THICKNESS: Due to application methods of Licata, preferred thickness of insulation material can be used behind the boards.

CAN BE USED IN FINE DETAILS DUE TO ITS STRAIGHT CUT EDGES: Licata boards can be used directly without additional straitaning on edges.

HAS IMPROVED IMPACT RESISTANCE AS AGAINST GYPSUM BASED BOARDS: Cement based boards are being used to make surfaces with high impact resistance.

PROTECTS ITS CARRIER SYSTEM BEHIND: Licata boards protect the surfaces or systems behind them from external effects.

CREATES FAÇADES OR SURFACES IN COMPLIANCE WITH FIRE CODES: By its A1 degree of incombustibility, Licata is being used to create surfaces or façades which are being stipulated in Fire Codes



Tepepan Technical Specifications	
Product Type	Autoclaved, cellulose reinforced, cement boards.
Product Properties	Resistant to weather conditions. Easily machinable by hard wood working tools.
Board Dimensions	1200 x 2400 mm
Thickness	8 mm 12 mm
Min. Dry Weight KGm2	9.2 13.8
Tolerance in Length	± 5 mm (TS EN 12467)
Tolerance in Width	± 3,75 mm (TS EN 12467)
Tolerance in Thickness	± %10 t (t: board thickness)
Deviation in Perpendicularity on Edges	≤ ± 2mm/m (TS EN 12467)
Deviation in Straightness on Edges	≤ 0,1 % x edge length
Surface Appearance	Untextured
Dry Apparent Density	min 1200 kg/m ³ (1,2 g/cm ³)
Bending Strength	≥ 7 N/mm ² (Average of the values parallel and perpendicular to the direction of production in wet conditions) ≥ 12 N/mm ² (Average of the values parallel and perpendicular to the direction of production in ambient laboratory conditions)
Compressive Strength	> 35 MPa (After 24 hours of conditioning in 20 ± 2 °C water) > 40 MPa (After 7 days of conditioning in laboratory)
Frost Resistance	t is resistant to frost according to TS EN 12467
Water Resistance	Resistant to water (According t to TS EN 12467)
Fire Resistance	Non-combustible, A1 Class (According to EN 13501-1)

Tepepan Technical Specifications	
Asbestos	Asbestos free, according to TS EN 12467
pH	10,5 -12
Formaldehyde Emission	It does not contain any Formaldehyde adhesive
Coefficient of Thermal Conductivity	$\lambda = 0,2166 \text{ W/mK}$ (TS EN 12667)
Thermal Resistance	$46,168 \times 10^{-3} \text{ m}^2\text{K/W}$ (10 mm için), $55,401 \times 10^{-3} \text{ m}^2\text{K/W}$ (12 mm için) (TS EN 12667)
Coeff. of Thermal Expansion	$0,00493 \text{ mm/mK}$ (DIN 51045)
Modulus of Elasticity	$\geq 4000 \text{ N/mm}^2$ Average of the values parallel and perpendicular to the direction of production in ambient laboratory conditions
Water Absorbtion	2 hours,by weight <15% (Of a board in ambient laboratory conditions) 24 hours, by weight <25% (Of a board in ambient laboratory conditions)
Porosity	< 30% (Of a board in ambient laboratory conditions)
Water Vapor Permeation Resistance	$\mu = 13,31$ (TS EN ISO 12572)
Mean Water Vapor Resistance Value (Z)	$0,187 \text{ m}^2\text{hPa/mg}$ (TS EN 12086)
Moisture Movement 30-90% Relative Humidity	0,05%
Increase in Thickness	< 1 % (After 24 hours in water)
Heating – Rain Effect	When tested in accordance with TS EN 12467, no visible cracks, delamination, warpage and deflection or other faults which can affect the performance in use occur after 50 heat – rain cycles.
Hot Water Effect	It is resistant to hot water according to TS EN 12467
Soaking - Drying	It is resistant to soaking and drying according to TS EN 12467



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