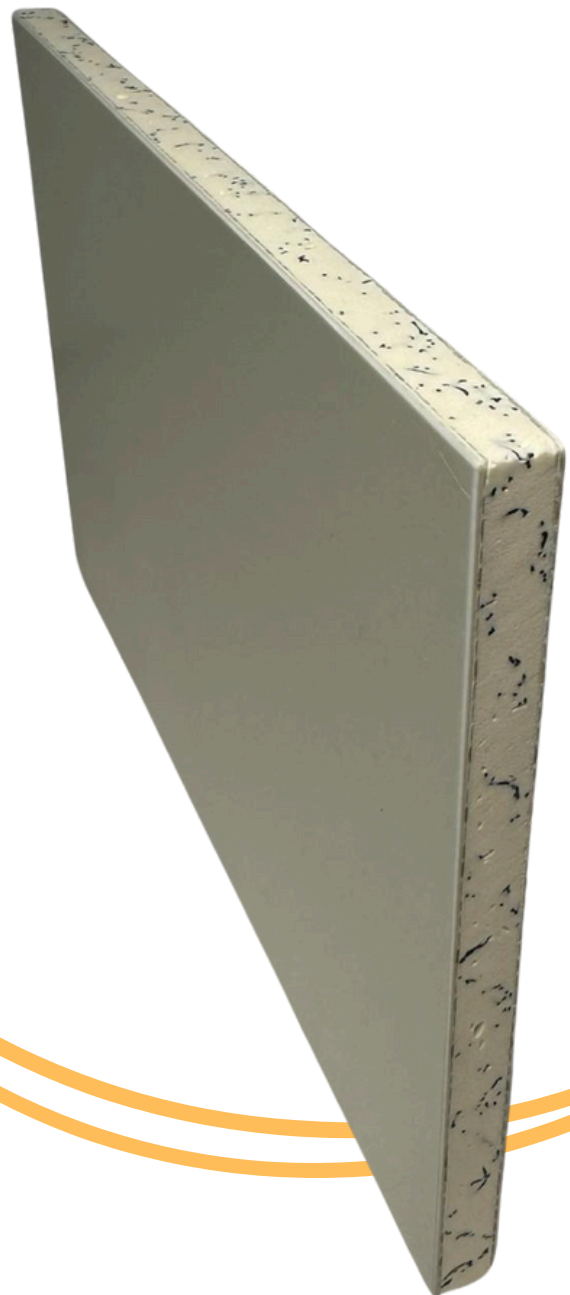


# LIGHTBOARD

**The LIGHTBOARD is an innovative solution combining lightness, durability, and performance, designed to deliver quality, stability, and savings.**



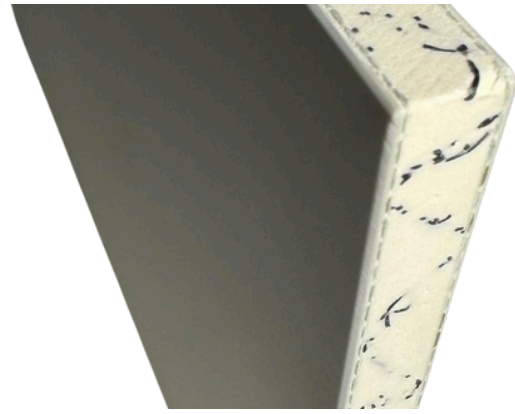
## Description

The LightBoard Composite Formwork Panel is a next-generation product designed to meet the highest demands of modern construction sites. Composed of a thermoplastic surface, a polyurethane foam core, and reinforced with fiberglass, it combines lightness, durability, and exceptional performance.

This innovative panel ensures :

- Exceptional exposed concrete quality, ideal for precision work.
- Extreme shape stability, without swelling or deformation, even in challenging conditions.
- Lifecycle savings, thanks to its durability and low maintenance costs.

LightBoard panels are available in various thicknesses (from 10 to 22 mm), with customizable dimensions and a configurable thermoplastic surface color.



## Main Features

### Durability and Performance :

- Usable at least 100 times, reducing replacement costs.
- Weather, moisture, and UV resistant (RAL 7032 gray color: 5-year guarantee).
- Exceptional resistance to extreme temperatures: from -30°C to +80°C.
- Does not rust and resists acids and alkalis.

### Handling and Adaptability

- Easy to cut, nail, and drill for customized installation.
- Machined and ready-to-install, including rivets and anchoring holes.
- Quickly and easily repairable.

### Ease of Maintenance

- Hydrophobic and waterproof, the panel can be easily cleaned with a high-pressure washer.
- Requires about 80% less release agents compared to plywood panels.

## Why choose it

### Optimize Your Costs

- Achieve substantial savings thanks to its longevity and low maintenance requirements.

### Increase Efficiency

- Simplify your construction projects with a ready-to-use and highly adaptable product.

### Ensure Quality

- Deliver impeccable results to your clients with perfect concrete finishes.

## Technical specifications

### Dimensional

- Length: 244 cm
- Width: 122 cm
- Thickness: 10 to 22 mm

### Mechanical

- Low water absorption: 0.5 - 0.8%
- Longitudinal expansion coefficient:  $11 \times 10^{-6}/K$
- Fire reaction: Class B2 (hardly flammable)
- 100% recyclable, reducing environmental impact

Épaisseur	Poids (kg/m <sup>2</sup> )	Module d'élasticité (N/mm <sup>2</sup> )	Résistance à la flexion (N/mm <sup>2</sup> )
10 mm	7,4	4800 (long.) / 4200 (larg.)	83 (long.) / 74 (larg.)
12 mm	8,7	7000 (long.) / 4200 (larg.)	90 (long.) / 51 (larg.)
15 mm	9,5	5600 (long.) / 3000 (larg.)	84 (long.) / 45 (larg.)
18 mm	10,5	6100 (long.) / 3500 (larg.)	95 (long.) / 67 (larg.)
22 mm	12,4	5500 (long.) / 3000 (larg.)	82 (long.) / 47 (larg.)

## Applications

### Slab

- Used for floors and horizontal surfaces.

### Wall

- Designed for constructing vertical partitions.

### Tunnel

- Engineered for underground or arched structures.

### Precast

- Used in factories for modular components.

### Bridge

- Designed for the complex structures of road infrastructure.

### Curve

- Enables the creation of curved or special shapes.
- Building : Applied to the complete structural framework of a building.

## Achievements - References



### Formwork for Exposed Concrete

- Ideal for structures requiring smooth and uniform finishes

### Works in demanding conditions

- Resistant to weather, humid, or chemical environments

### Rehabilitation and Renovation

- Durable and high-performance solution for long-term projects