

IRU - L3

3 - Layer Board



LANA

Building and living

BAYGAR

Innovating solutions for the needs of the market

The development of the company towards specialisation in the production of timberen boards is based on our knowledge of provisioning, selection of raw materials, technologies and production processes.

The company and its sales network analyse the needs of the market to develop and introduce innovating solutions for our customers.



Lana Quality

Lana bases its quality on:

- ❖ Highly qualified human resources.
- ❖ Organisation oriented towards customer satisfaction and continuous improvement.
- ❖ Production systems that include high technology solutions.
- ❖ Product certified according to UNE-EN 13353:2003.
- ❖ UNE EN ISO 9001:2000 Quality Management System certified by AENOR.
- ❖ Automated production control systems.
- ❖ Environmentally friendly management recognised with the AENOR certificate.



UNE-EN ISO - 9001:2000



Capacity and Service

- ❖ Own sales network.
- ❖ Commitment to listen to the customer's needs.
- ❖ Capacity to supply and rapid response.



Applications

Reticular formwork

- Flat main beam

- Vertical formwork

- Foundations

- Civil Works

- Safety elements

- Foundations



Advantages

❖ Profitability

IRU-L3 contributes to reducing costs on site. With the same number of boards, a larger number of m² can be obtained.

❖ Safety

Dimensional stability of the board and measurement accuracy.

❖ Warranty

Based on compliance with the product operating manual.
After-sales service through the company's own extensive sales network.

❖ Versatility

Available sizes adapted to different formwork systems.
Special sizes available.

❖ Service

Transport logistics adapted to the specific needs of the building industry.

❖ Quality

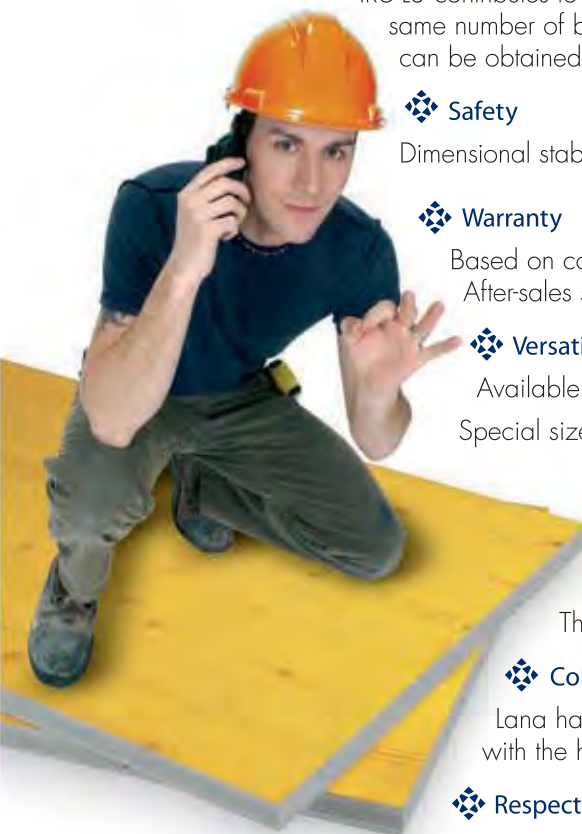
The product is certified according to UNE-EN 13353:2003.

❖ Collaboration

Lana has a technical and commercial team to support the customer in his business with the highest levels of professionalism.

❖ Respect for the environment

All the timber used comes from countries with a sustainable forestry policy.



Technical Characteristics

❖ Board

Formwork board with three layers of timber glued together. The two outer boards are glued lengthwise and the inside board is glued crosswise.

❖ Gluing

Gluing with Melamine Urea Formol (MUF) under controlled temperature and pressure conditions, based on the SWP/3 Exterior condition of the UNE CEN/TS 13354 standard.

❖ Timber

We use Central European conifer timber (Fir and/or Pine).

❖ Humidity

100% automated humidity control systems.

❖ Surface

Protected from the concrete by means of a melamine layer applied under controlled pressure on temperature conditions.

❖ Marking

All boards marked to guarantee traceability

❖ Bending Resistance

Thickness: 27 mm.

- Average = 42.4 N/mm².

- Lower quantile from 5%=30.4 N/mm²
(calculated according to EN 13353).

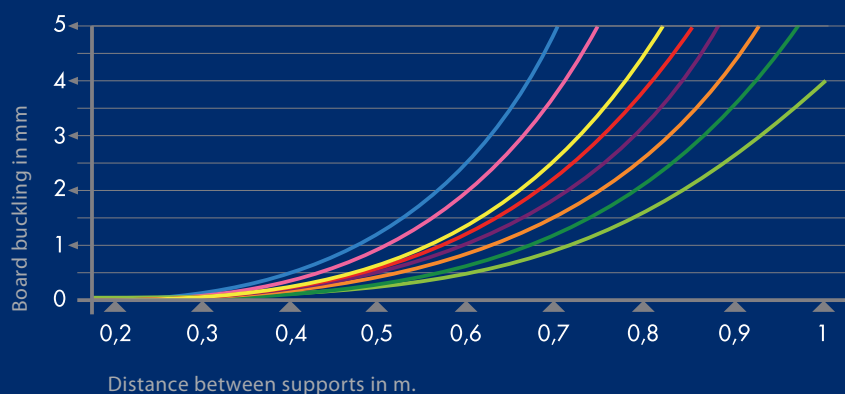
❖ Elasticity Module

Thickness: 27 mm.

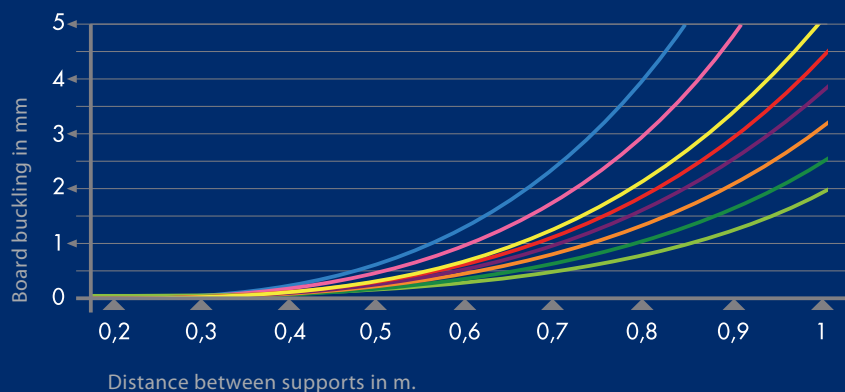
- Average = 12.393 N/mm².

- Lower quantile from 5%=7.284 N/mm²
(calculated according to EN 13353).

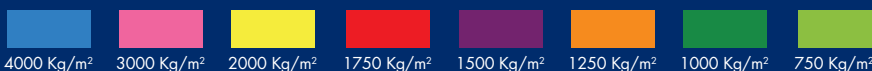
Average value with 2000 x 500 x 21 mm board.



Average value with 2000 x 500 x 27 mm board.



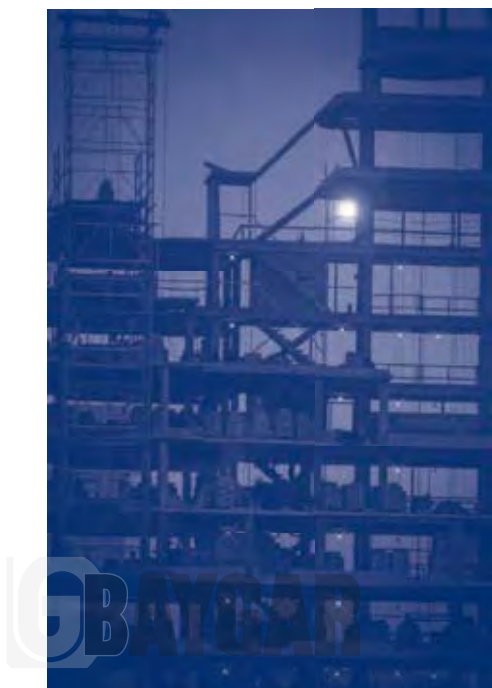
Value of loads

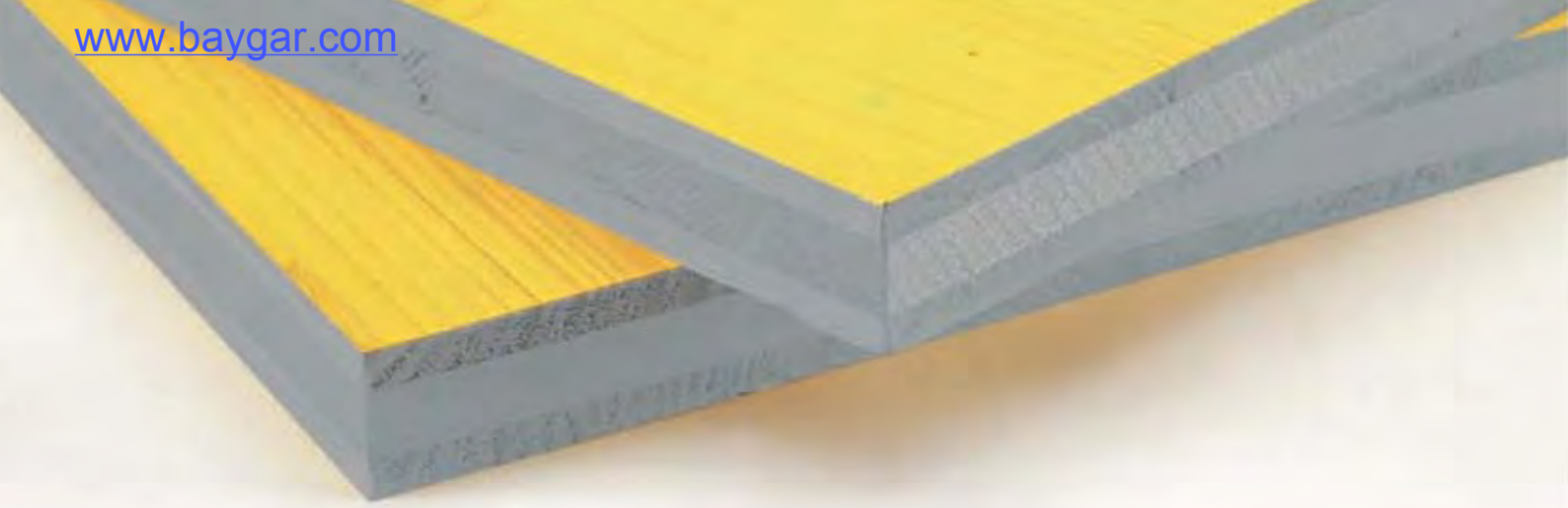


The charts provided are indicative in nature and cannot replace those supplied by the technical officer, responsible for the building work. Lana S.Coop. declines any responsibility in this regard. We reserve the right to modify the specifications contained in this catalogue without prior warning.

Operating manual

- ❖ Apply formwork stripper before and after use on board faces and edges (even before the first installation).
- ❖ Clean off remains of concrete on board after use.
- ❖ Stack and strap these after use and until they are utilised again.
- ❖ Store indoors protected from meteorological conditions.
- ❖ Do not use for applications other than those typical of formwork.
- ❖ Do not modify the physical-mechanical characteristics of the product.
- ❖ Do not use the product when it appears that this might involve a risk to workers on site.





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❖ Standard sizes



Length: 970, 1000, 1500, 1970, 2000, 2500 or 3000 mm*
Width: 500 mm*
Thickness: 21, 27 mm**

Special sizes are possible. Please consult us for availability and delivery dates.

* Tolerance in length and width of ± 2 mm according to UNE EN 13353:2003 standard

**Tolerance in thickness of ± 1 mm according to UNE EN 13353:2003 standard

❖ Packaging



Thickness 21 mm: 100 board package
Thickness 27 mm: 80 board package

❖ Weight

Thickness 21 mm: 11 Kg / m²
Thickness 27 mm: 13 Kg / m²

❖ Metal profile



Boards can be strengthened by means of galvanised steel metal profiles.

Only available for lengths of 970, 1000, 1500, 1970, 2000 and 2500 mm.