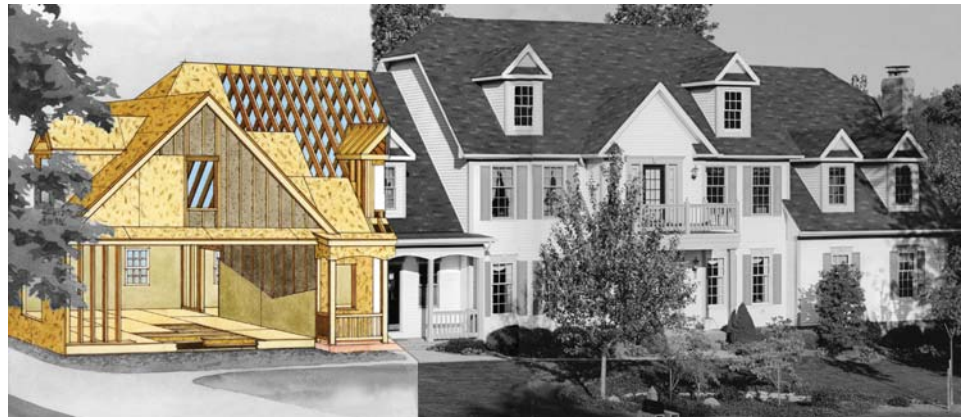


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materiales para construir mejor



LP OSB Standard

It is definitely the panel most used in the market.

LP OSB Plus

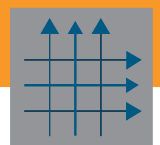
It is the only structural panel with termite attack protection.

LP OSB Guard

It is the only structural panel with both termite attack and fungal decay protection.



HOUSING STRUCTURAL PANELS
ORIENTED STRAND BOARDS





LP *materiales para construir mejor*
Louisiana Pacific

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LP OSB

Structural panels for housing

The worldwide leader in OSB products Louisiana Pacific (LP) manufactures structural LP OSB (oriented strand board) panels in Chile. All through the world, OSB panels are widely used in roofs, walls, and floors both in residential and commercial projects up to four stores. Additionally, the outstanding features of the LP OSB panels have turned them in the most popular panels for maintenance and remodeling house projects. The OSB panels are also vastly used for fences, temporal working stations, furniture pieces and parts, shelves, pallets and in shipping.

What is OSB?

The oriented strand board is a structural panel made up with cross-laminated rectangular strands. It is worth mentioning that the cross-oriented particularity increases stability, avoiding uneven and unexpected stresses, extremely disgraceful for constructors and final users.

The strands are bonded together with waxes and adhesives, then they are dried and pressed to form the LP OSB STRUCTURAL of 8x16 f. a panel dimensionally stable with an excellent durability. These stability and stiffness are the main features responsible for certifying as a structural housing panel in the International APA Association (APA stands for Engineered Wood Association, USA). This association is in charge of testing and rating nearly every (up to 95%) structural panel for housing in developed countries like Canada and USA.

After the panels have been dried, they are cut according to the standards, edge sealed and shipped in pallets to our clients.

This advanced technology delivers a LP OSB panel free of knots that will not split, dimensionally stable and uniform, easy to cut and easy to fasten with nails or screws using standard woodworking tools.



Additionally, panels have a coarse-textured surface with skid-resistant feature that prevents accidents (while working on roofs) and provides an extended adherence area (walls and floors).

The family of the LP OSB structural panels is formed by an assortment that meets different requirements of fungus decay or termite attack protection. This protection changes depending on substrates concentrations, like zinc borate (completely harmless to human being), added in the manufacture process of the panels.



LP OSB Standard

Definitely, the most used housing structural panel in the building market

Orange edges.

LP OSB Plus

The only housing structural panel with termite attack protection.

Yellow edges.

LP OSB Guard

The only housing structural panel with termite attack, fungus decay and fire retardant protection.

Deep red edges.

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Earthquake and Heating Efficiency Building System

In Chile, the use of LP OSB panels in the house building industry have made possible the implementation of the CEA building system. CEA, which stands for earthquake and heating efficiency construction, is the system most used in the building industry (95%) in developed countries like USA and Canada.

The system uses LP OSB panels in roofs, walls, and floors fixed in a wooden or metal frame-like structure made up of studs and joists. The panels are conveniently insulated and coated with exterior and interior finishes depending on the client's choice.

LP OSB system provides several advantages over traditional housing building systems:

- **Construction time reduction.**
- **Material cost and working hours reduction.**
- **Future maintenance reduction.**
- **Heating energy saving**
- **Outstanding earthquake properties**
- **Better lifestyle**

In short, more efficiency, better quality at lower costs.

Roofing:

Using LP OSB panels in roofing systems reduces considerably installation time in paneling roofs, providing uniform and dimensionally stable surfaces capable of admitting any finishing material, like asphalt shingles. LP has developed panels with a coarse-textured surface that helps provide safe footing, preventing workers from suffering skidding accidents. The LP coarse surface panel is the unique panel skid-resistant available in the market.



Sidewalls:

Using LP OSB panels to form the walls, gives you the opportunity of avoiding additional structuring joists and studs, saving up to 50% in building materials and working time. LP OSB panels are preferred instead of masonry or concrete because of the important cost benefit. The perfect adherence achieved by the coarse surface admits a great variety of finishing wall materials including those based on concrete, polymers, elastomers, stones, bricks, vinyl, and more, which eventually gives the house additional protection and beauty.



Flooring:

LP OSB flooring system is cheaper and faster than the traditional concrete alternative. It also provides an excellent coarse surface that increases the adherence of shingles, rugs, or other suitable material. It also performs excellent acoustically and structurally.

The T&G LP OSB panels avoid the use of floor joists, providing a better paneling surface suitable for placing rugs or other technically feasible material.

Alternative uses:

Dentro de las variadas aplicaciones que tiene el OSB destacan:

- I-joists with OSB core
- Shipping cases
- Bins
- Totem bins
- Pallets
- Furniture pieces and parts
- Fences
- Provisional working station
- Ect...

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LP OB is the best structural housing panel

▶ APA rated certification

LP OSB panel is the only structural panel complying with the international performing rates for housing by APA. APA association certifies most housing structural panels in USA and Canada (95%). The panel stiffness and stability achieved by the cross-laminated strands are responsible of the certification.

▶ The only structural panel in the market with a coarse surface

Skid-resistant: Specially designed to avoid skids while installing roofing.

Lineal extended surface: Better adherence for any roof, wall, or floor-finishing product installation.

Extremely bonded strands: No swelling, therefore better surface adherence.

▶ The only structural panel of the market with:

Termite attack resistance: With zinc borate, a natural substance harmless to human being. (LP OSB Plus and LP OSB Guard).

Fungus decay resistance: With three times the zinc borate concentration normally added. (LP OSB Guard).

Fire retardant: With zinc borate that also acts as a fire retardant. (LP OSB Guard).

▶ Highly visible coated edges:

Helps installation process: It helps to check easily the correct panel installation with a plumb line.

Improves safety: It marks the edges avoiding accidents while manipulating the boards.

▶ Wood supplied from second growth forests located in the south of Chile (IX and X Region) and sustainable managed adding value to Chilean forests

All the former facts and many others implied therein have transformed LP into the absolute leader company of the housing structural panel industry.

NOTE :

Before using **LP OSB** panels, it is advisable to check the technical sheets for manipulation and installation of OSB panels.

The vast variety of roof, sidewall and floor sheathings available today in the market encourages us to persuade you to check with the manufacturer before actually using them over OSB.

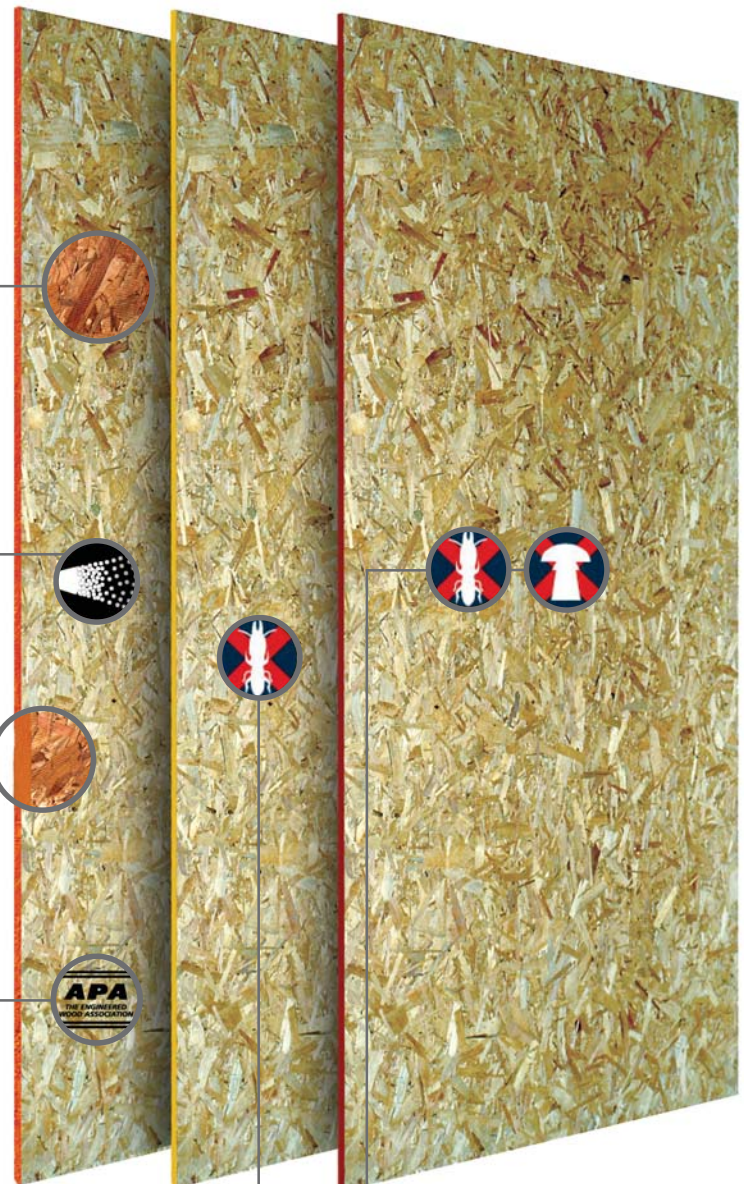
All LP products are backed with legal warranty.

LP panels can be found both with APA rated certification or with out it. (It will depend on the customer's choice).





LP OSB Standard + **LP OSB Plus** + **LP OSB Guard**
 (Orange edge) (Yellow edge) (Deep red edge)



Coarse surface

Thinking in your protection, LP has designed a panel with a coarse surface that avoids skidding while installing the roof system. Additionally, the coarse surface improves the adherence and increases the specific surface, which improves the floor and wall finishes installation.

Modern adhesives

The external resistant surface and the strong internal bond of the strands can be achieved by incorporating phenol resins at the panel surface and a MDI resin at the panel core in the manufacturing process.

Coated edge

The vivid colors of the panel-coated edges prevent moisture intrusions and eventual accidents; besides, it performs as a vital help when plumbing the boards.

APA rated certification

(APA; The Engineered wood association)
 APA is the association that tests most of the structural panels around the world. APA rate marks certifies the accomplishment of American standards for structural housing panels. (Available both with certification and without it)

Size:	1,22 x 2,44 m.
Thickness:	9,5 mm. 11,1 mm. 15,1 mm.
(T & G):	18,3 mm.
N° panels/pallets:	84 Uni. 72 Uni. 53 Uni. 45 Uni.
Weight:	20,4 kg. 22,8 kg. 30,5 kg. 35,9 kg.

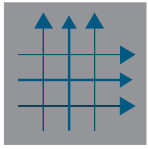
Termite attack protection

Natural substances (zinc borate), harmless to human being, are added protect from termite attacks.

Termite attack and fungal decay protection

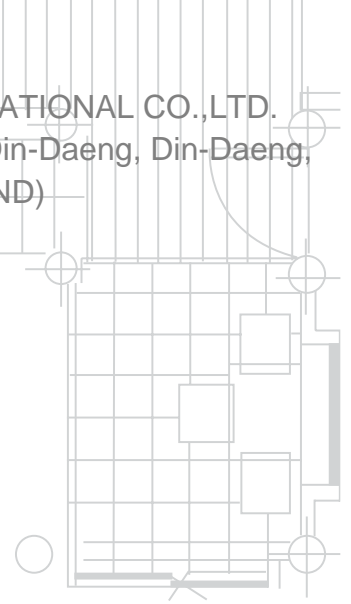
Fungal decay protection is achieved by adding three times the amount of zinc borate that has proven to be harmful to termite. Additionally, this dosage of zinc borates also acts as a fire retardant.

Housing structural panels
 Cross-laminated oriented strand





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LP International Corporation has been completely devoted (100%) for more than thirty years to develop state-of-art answers and products for the building industry.

- More than 7.000 workers
- More than 40 manufacturing industries
- More than US\$ 3.000 millions sales each year
- More than US\$ 25 millions invested in technical research and development (labs and mills)

Our goal is to help you to build better.

Orrego Luco 161.
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www.LPChile.cl

- **LP OSB**
Housing structural panels
(Available either with APA certification, or not. As regarded)
Standard
Plus
Guard
- **SmartSide**
Exterior housing sheathing
Panel
Lap
Trim
- **LP Moulding**
TopForm
EcoForm
- **LP Finishes**
LP Vinyl - LP HouseWarp
LP Decowall - Decorfloor
WeatherBest
- **LP Multiple use**
Short-term applications (structural, not designed for housing)
Multiplac

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*Los datos presentados en este impreso corresponden a la realidad. SEUO

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