



# OSB 3

CERTIFIED STRUCTURAL PANEL

CE  
EN 300



## ONE OF THE BEST OSB STRUCTURAL PANEL IN THE WORLD

- ✓ Certified structural quality for all types of use in the building industry.
- ✓ Fast: optimizes materials and labor costs.
- ✓ Durable: technology for demanding users.

## Features

LP OSB 3 boards offer a stable shape and a very high impact resistance. Also, have acoustic insulation, are easy to install and workability. The microstructure of the overlapping strands are very strong that prevents the edges from being damaged even when attached with screws or nails

## OSB Technology

Structural OSB panels (Oriented Strand Board) are manufactured with wood strands placed in 3 intertwined layers perpendicular to each other.

## Certification CE

The LP OSB 3 panel has the international structural quality certification, that provisions all concerning the assessment and certification of constancy of performance described in Annex ZA of the standard EN 13986:2004+A1:2015 according to system 2+ (including EN 300) are applied and that the factory production is assessed to be in conformity with the applicable requirements.

## State of the art adhesives

Resins of MDI are used in the manufacturing of our products, which ensures strands' high internal adherence, and also translates into more stable, durable panels.

## Applications

LP OSB 3 is an excellent board that can be used for multiple purposes, such as the construction of walls, floors and ceilings, as well as boxes and packaging, industrial uses and as a complement for the construction of cement structures. Manufactured under the European technical standard EN 300, this board offers great mechanical resistance and rigidity, as well as a long life even in environmental conditions of extreme temperatures or humidity.

**Size:** 122 x 244 cm

**Thicknesses:** 9, 12, 15, 18, 22 & 25 mm

## Storage

The panel should be stored in clean and dry areas, off the ground and under a roof. They should be on a flat surface and at least with 3 supporting shafts.

Take all necessary precautions to prevent panels from damage on their edges during transportation. In addition, avoid dropping the panels.

## Stabilization

Stabilization is defined as the process through which the moisture content of panel equals the wood's moisture of equilibrium in the area where the siding will be used.

The moisturizing process should be done if the panel's moisture is below the atmospheric moisture of the installation zone. The process consists of soaking the panels with 1 to 3 lt. of water ensuring an equal distribution and then let them dry from 2 to 4 days, until reaching the moisture of equilibrium. The drying process should be done if the panels' moisture is greater than that of the moisture of equilibrium of the installation zone.

## Seals

LP delivers products with their sealed edges so as to avoid panel deformation in their thickness caused by moisture and future damage in the perimetral fastening. For this reason, we recommend painting the cuts and drills with opaque paint to seal the panel again.

Board type /technical class) OSB/3	Test method	Requirement			
		Unit	Board thickness range (mm, nominal) 8 to 10	>10 to <18	18 to 25
Bending strength - major axis	EN 310	N/mm <sup>2</sup>	22	20	18
Bending strength - minor axis	EN 310	N/mm <sup>2</sup>	11	10	9
Modulus of elasticity in bending - major axis	EN 310	N/mm <sup>2</sup>	3.500	3.500	3.500
Modulus of elasticity in bending - major axis	EN 310	N/mm <sup>2</sup>	1.400	1.400	1.400
Internal bond	EN 319	N/mm <sup>2</sup>	0,34	0,32	0,3
Swelling in thickness . 24 h immersion	EN 317	%	15	15	15
Internal bond after boil test	EN 1087 1 b	N/mm <sup>2</sup>	0,15	0,13	0,12



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