

EGGER OSB HDX

The lighter, stronger alternative to 38mm particleboard.



What is it?

EGGER OSB HDX is a brand new heavy duty, load bearing OSB4 panel suitable for use in humid environments. It has a tongue and groove profile on the 2 long edges.

What environments is it suitable for?

It is the ideal solution for heavy duty load bearing environments such as mezzanine flooring, racking, shelving, working platforms and decking, where P5 or P6 38mm particleboard would typically be used.

Due to the low swelling properties of EGGER OSB HDX it is **less likely than P6 to pick up moisture** which can lead to uneven floors.

Is it easy to lay?

It is laid the same way as 38mm particleboard. However, due to only being 30mm thick, EGGER OSB HDX is around **20% lighter**.

That's despite being wider than the typical particleboard panel (675mm as opposed to the usual 600mm)

A lighter, wider board means that it is **easier to manoeuvre and quicker to lay**.

Does a thinner board compromise its technical properties?

On the contrary, 30mm EGGER OSB HDX actually outperforms 38mm particleboard for:

- Point loads
- Strength
- UDL's
- Stiffness.

Therefore potentially floors could be designed to take **higher loads**, or use **fewer joists**, providing the **opportunity for significant savings**.

The table below shows the differences between EGGER OSB HDX and P6 38mm chipboard;

Properties	EGGER OSB HDX (30mm)	P6 38mm Chipboard
Bending strength	25 N/mm ²	15.8 N/mm ²
Modulus of Elasticity (stiffness)	7000 N/mm ²	2770 N/mm ²
Safe long term point load over 600mm	5.4 kN	4.7 kN
Safe long term point load over 800mm	4.4 kN	4.0 kN
Safe long term UDL over 600mm	27.8 kN/m ²	17.7 kN/m ²
Safe long term UDL over 800mm	15.6 kN/m ²	7.5 kN/m ²

EGGER OSB HDX; The benefits over 38mm particleboard:

- Higher point loads and UDL's
- Stronger and stiffer
- Around 20% lighter
- Quicker to lay

Dimensions: 2400x675x30mm (other lengths may be available upon request)