

As the name suggests, **OSB** is essentially a board composed of wood strands, all of which are oriented or arranged in a manner that maximizes durability and strength. The strands of wood are manufactured from softened pieces of wood and then bonded together to form the board. Each wood strand is covered with resin adhesive. The strands are then oriented at right angles to each other to form a layer. The layer is then passed through very high heat and pressure, which helps in the bonding process. The end result is Oriented Strand Board, which is coated with a sealant to protect the material from moisture.

OSB is an environmentally friendly product because it does not give off toxic emissions. Manufacturers prefer to use fast growing, younger trees, because these can be replanted and replaced very quickly. The rate of deforestation is much lower than that caused by other wood products. There is minimal wastage of wood and though OSB is much cheaper than plywood or timber, it is comparable to these products in quality and strength.

OSB also has a few drawbacks, one of which is inferior resistance to moisture. If an installer or carpenter cuts off a piece of OSB, the cut edge must be coated with sealant. If this is not done, moisture can infiltrate and cause the OSB to swell up and weaken.



Can be made from 9 to 25 mm thickness in four feet width.

Volume in meter cube of	Meter Cube	Width in m	Length in m	Thickness in m
18 mm sheet	0.05353956	1.219512195	2.43902439	0.018

NO of sheets per year	93388.88889
NO of sheets per day	299.3233618
NO of sheets per day of 9 mm thick	598.6467236

5000 cu m of production divided volume of 18 mm sheet of 4 feet wide and 8 feet long. 312 days in a year considered.

Cu M / Year	Plant cost landed	
5000		Rs. Landed 6 ,50,00,000.00
	Size mm x mm	1220 x 2440 (4 to 8 Feet)
	Thickness	9 to 25 mm
3000	Plant cost landed	Rs. Landed 4,00,00,000.00

Kamal Shah. Ahmedabad 9624112091, 9879552875

mail@positiveaggression.in kamal@positiveaggression.in positive@positiveaggression.in