

ORIENTED STRAND BOARD
PERFORMANCE BY DESIGN™

MANUFACTURED HOUSING

OSB: A New Dimension In Strength.

Every day, building and design professionals turn to a building panel that offers strength and economy – it's Oriented Strand Board (OSB), and it could change the way you look at construction. OSB is an **engineered** structural panel, designed for remarkable uniformity, versatility, and performance. With OSB, you can count on a dependable end-product with less material waste – and that can make a big difference on your bottom line.

WHY USE OSB IN MANUFACTURED HOUSING?

With an **engineered** manufacturing process, OSB actually improves upon wood's natural properties,



Oversized OSB – up to 8' x 24' – is available.



Ideal for interior and exterior wall systems.

creating a structural panel that meets the requirements of the manufactured housing industry. To you, that means strength, stiffness, and workability – with superior uniformity and greater panel density. Don't forget, too, OSB is the only panel manufactured in oversized dimensions – up to 8' x 24'. That also means improved panel rigidity during transportation and erection.



A precise panel for precision work.



Structural Board Association
Representing the OSB Industry

ACCEPTED BY THE MANUFACTURED HOUSING INDUSTRY.

Performance based OSB sheathing meets the structural requirements of the HUD Manufactured Home Construction and Safety Standard (MHCSS) for roofs, floors, and concentrated loads. Section 3280.305 covers structural design requirements which include loads, designs, and performance criteria for roof and floor assemblies. In Canada, these requirements are listed in CSA Z-240.

OSB can be utilized as:

Roof Sheathing – You can use a roof assembly as a structural diaphragm to reinforce a home against wind and seismic loads. Plus, OSB roof diaphragms can be designed from one shear wall to the next, meaning improved room layouts.

Wall Sheathing – OSB provides excellent strength and racking performance. Used in interior partitions, OSB offers impact and fire resistance, and sound thermal and acoustical properties.

Floor Sheathing – Manufactured for subfloors, single-layer floors, and flooring underlayment. OSB is highly resistant to bowing and surface indentations. Single-layer floor panels offer tongue-and-groove edges for a uniform fit.

Shelving and Cabinets – With strength and durability, OSB is also found in a variety of new uses, such as closet linings, utility shelving, and appliance enclosures.

STRUCTURAL INSULATED PANELS

OSB panels with a foam core are known as structural insulated panels or SIPs. These panels are becoming increasingly popular as a building system for use as structural floors, walls, and roofs. These panels are

OSB DELIVERS VALUE — TO YOU AND YOUR CUSTOMERS.

Once your customers understand OSB's benefits, they'll see the value-added difference. So give them the facts:

#1: OSB provides practical advantages such as a home with quieter, squeak-resistant floors, especially in "screw and glue" systems.

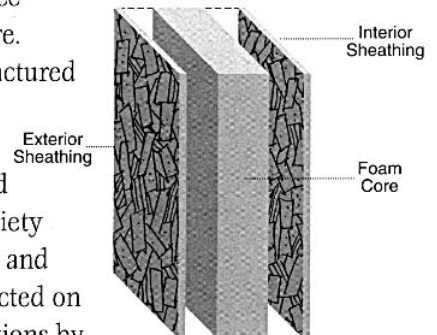
#2: OSB is environmentally responsible. With negligible formaldehyde off gassing, it's safe to use. And OSB's fiber is harvested from sustainable, fast growing timber sources, not old-growth forests.

#3: In most applications, OSB meets or exceeds the performance standards of plywood. Like plywood, it's also an exterior bonded panel.

manufactured in sizes from 4' x 8' to 8' x 24' and have quality certified 7/16" OSB faces with either a precast expanded/extruded polystyrene or foamed in place polyurethane core.

They are manufactured throughout the U.S. in modern quality controlled plants to fit a variety of home designs, and can easily be erected on prepared foundations by trained carpenters or installers. Individual

manufacturers certify design values for the panels in accordance with ASTM Standard E1803-99. Individual manufacturers also have model code approval under the National Evaluation Service.



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