

For further details regarding OSB codes and specifications, contact:



STRUCTURAL BOARD ASSOCIATION

Representing the OSB Industry

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WOOD WORKS

Member of the Wood Panel Bureau Member of the Sustainable Forestry Certification Coalition

MEMBER COMPANIES

- Ainsworth Lumber Co. Ltd.**
100 Mile House, B.C., Canada
Grande Prairie, Alberta, Canada
- CSC Forest Products Ltd.**
Inverness, Scotland
- Eagle Forest Products L.P.**
Miramichi, New Brunswick, Canada
- Forex Inc.**
St-Michel-des-Saints, Québec, Canada
- Grant Forest Products Corp.**
Englehart, Ontario, Canada
- Isorex (Isoroy Group)**
Châtellerault, France
- J.M. Huber Corporation**
Easton, Maine, USA
Commerce, Georgia, USA
- Longlac Wood Industries, Inc.**
Longlac, Ontario, Canada
- Louisiana-Pacific Corporation**
Dawson Creek, B.C., Canada
Swan Valley, Manitoba, Canada
Sagola, Michigan, USA
Silsbee, Texas, USA
- Jager Strandboard L.P.**
MacMillan Bloedel Limited
Wawa, Ontario, Canada
- Malette Inc.**
Timmins, Ontario, Canada
St. Georges, Québec, Canada
- Maderas Y Sinteticos S.A. (MASISA)**
Valdivia, Chile
- Norbord Industries Inc.**
La Sarre, Québec, Canada
Val d'Or, Québec, Canada
- Northwood Panelboard Company**
Bemidji, Minnesota, USA
- Panneaux Chambord Inc.**
Chambord, Québec, Canada
- Potlatch Corporation**
Grand Rapids, Minnesota, USA
- SaskFor MacMillan L.P.**
Hudson Bay, Saskatchewan, Canada
- Slocan Forest Products Ltd.**
Fort Nelson, B.C., Canada
- Tolko Industries Ltd.**
High Prairie, Alberta, Canada
- Voyageur Panel Company**
Barwick, Ontario, Canada
- Weyerhaeuser Canada Ltd.**
Drayton Valley, Alberta, Canada
Edson, Alberta, Canada
Slave Lake, Alberta, Canada

PERFORMANCE BY DESIGN™

OSB
ORIENTED STRAND BOARD

BUILDER'S SAFETY VALVE



STRUCTURAL BOARD ASSOCIATION

Representing the OSB Industry

OSB – Engineered For Performance

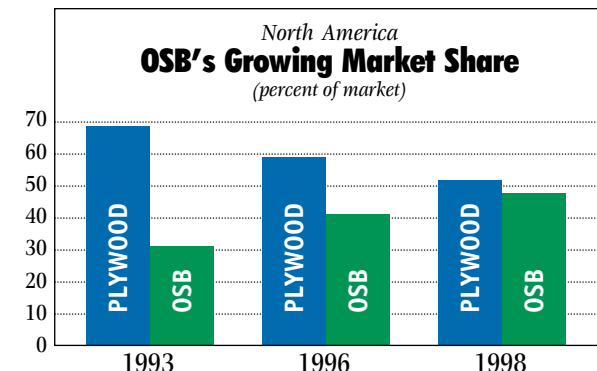
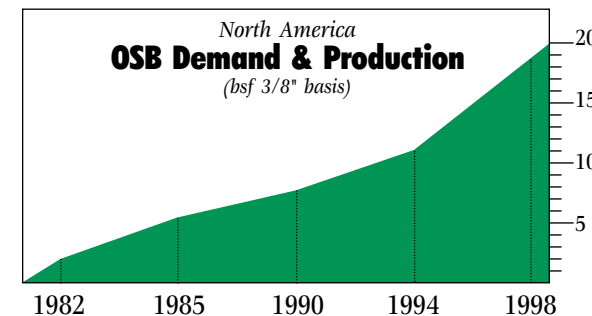


THE PANEL WITH A DIFFERENCE

What sets oriented strand board (OSB) apart? It's not chipboard, flakeboard, waferboard or particleboard. It isn't plywood, yet it performs in most applications like plywood. That is because OSB is a structural wood panel engineered for performance in a wide variety of structural and industrial uses.

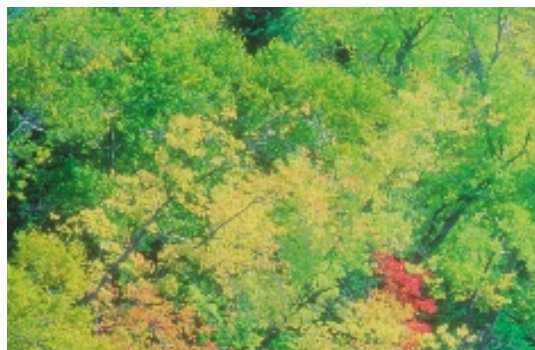
A NEW ERA IN CONSTRUCTION

OSB entered the structural panel market in 1980 and has evolved through ongoing research and development in composite wood technology. Its success has exceeded all expectations, rapidly gaining popularity with designers, engineers, specifiers and builders. In 1994, over 250 million OSB panels were used in construction and industrial applications in the U.S. and Canada alone. From flooring to wall sheathing – nearly everywhere plywood is used – OSB can do the job.



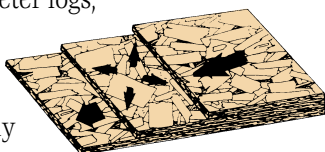
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Oriented Strand Board – Quality At The Cutting Edge

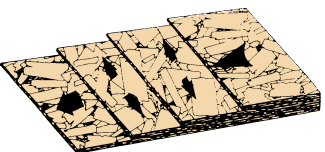


STRENGTH IS SECOND NATURE

Oriented strand board (OSB) is an **engineered** mat-formed structural panel made of strands sliced from small diameter logs, and bonded with resin under intense heat and pressure. Because the strands are precisely cut to a uniform size and thickness, specific performance qualities can be designed into the panel by cross-aligning layers of wood strands for maximum strength.



OSB with aligned face and random core



OSB with aligned face and oriented core

MEETING TOUGH CODES AND HIGH EXPECTATIONS

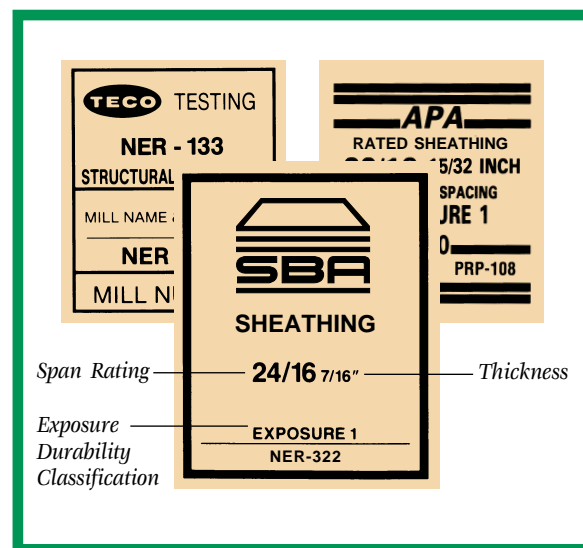
Performance-based OSB is **regulated** by all major North American model building code organizations:

- Building Officials and Code Administrators International (BOCA), National Building Code
- Council of American Building Officials (CABO), One and Two Family Dwelling Code
- International Conference of Building Officials (ICBO), Uniform Building Code
- Southern Building Code Congress International (SBCCI), Standard Building Code
- National Building Code of Canada (NBCC)

Oriented strand board is regulated in the model codes under the U.S. Department of Commerce Voluntary Product Standard PS2-92 Wood-based Structural-use Panels and the Canadian Standards Association Standard CSA 0325 Construction Sheathing. In addition, OSB's property or product requirements are stated in CSA 0437 OSB and Waferboard. Coming soon are two new standards: the ASCE 16-95, Standard for Engineered Wood Construction and CSA 0452 Design Rated OSB.

SPAN RATINGS

Performance-based sheathing panels are identified with a span rating symbol. This symbol represents the maximum distance the panel can span when used as either roof or floor sheathing. This span rating is given after the panel meets the specified loading conditions stated in PS2-92 or CSA 0325. To be qualified for this rating, the panels also must meet specific linear expansion, nail withdrawal and bond



durability standards. The panels are qualified by a certification agency such as APA, TECO, COFI or Warnock Hersey. OSB panels meet the same specified loading conditions as plywood panels.

GRADES & RATINGS

To meet market standards, OSB is currently produced in three grades: Sheathing, the stiffer grade Structural 1, and Single Floor. In Canada CSA 0437 also provides two OSB strength and stiffness grades: O-1 and O-2. Panels are marked as Exposure 1 or Exterior Bond to indicate that they will retain their structural integrity after construction delays and exposure to moist conditions.

When specifying OSB for construction use, contact the Structural Board Association for a technical manual that details appropriate grades and thicknesses for various applications.

HIGH WIND OR SEISMIC LOADS

In coastal locales and earthquake-prone areas, building codes require heavier or thicker panels and tighter fastening schedules. Designers, specifiers and builders must check with local building regulators when working in these areas. Investigative reports on the earthquake damage in California and Japan revealed that panel-sheathed wood frame structures fared better than masonry and concrete buildings. Like plywood, OSB panels demonstrated strong performance as shear walls and diaphragms.

PERMEABILITY AND FIRE RESISTANCE

OSB exhibits characteristics typical of other wood-based panels including similar "R" and vapor permeability factors. OSB panels also are approved by national fire codes for use on exterior walls and floors where fire performance is required. When used as a partition wall in fire tests, OSB has performed equal to plywood of equivalent thickness.



The Right Choice

A RANGE OF USES

Performance-based OSB panels function superbly in a full range of code-regulated uses including:

- wall sheathing
- exterior siding
- single-layer floors
- roof sheathing
- subfloors
- underlayment