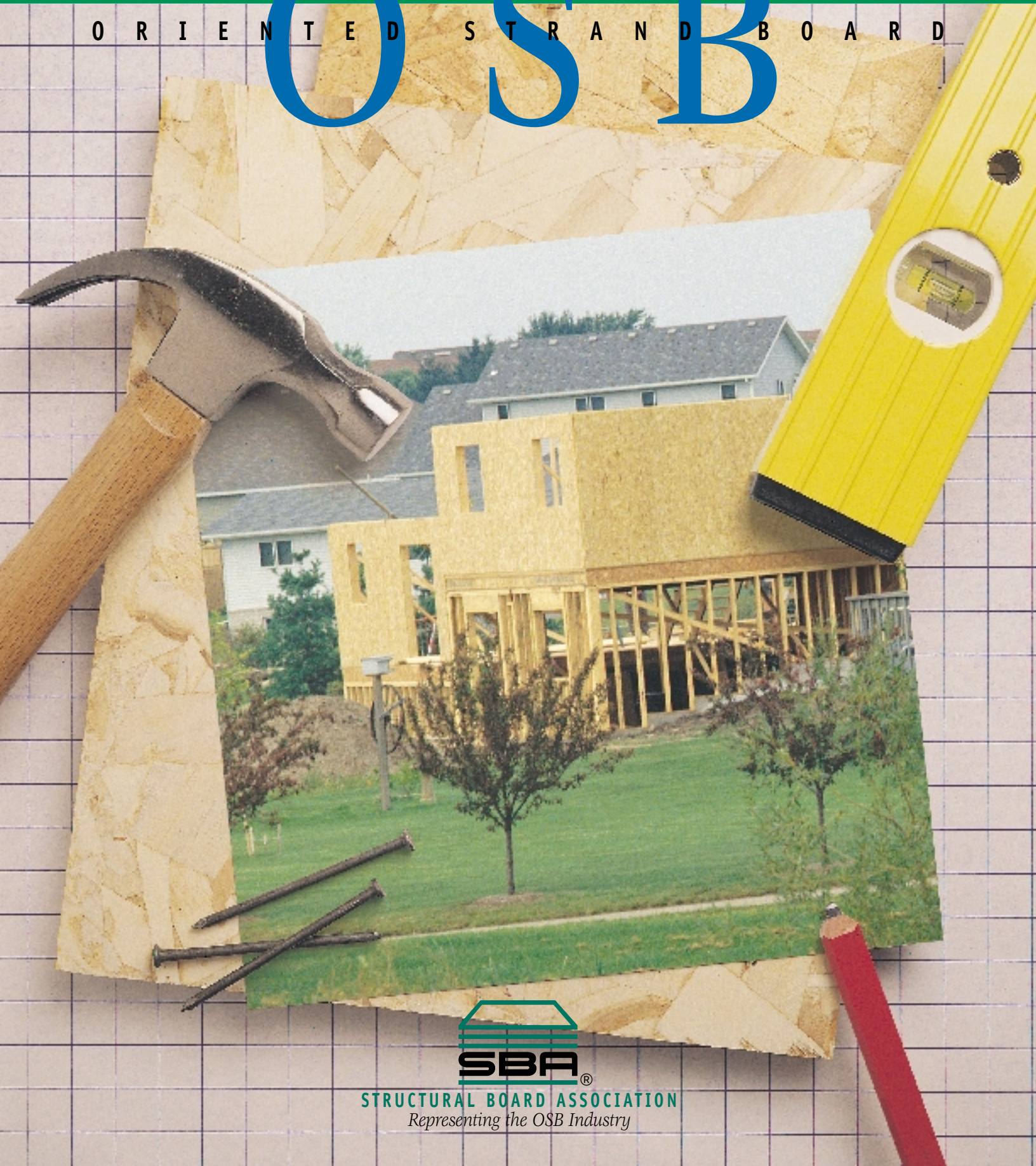


PERFORMANCE BY DESIGN[®]

O R I E N T E D S T R A N D B O A R D

OSB



STRUCTURAL BOARD ASSOCIATION
Representing the OSB Industry

OSB: Engineered To Perform For Housing And Construction

In today's market, builders and designers don't need surprises from a structural panel. They need performance. **Performance by Design®**



Oriented strand board (OSB) is **engineered** for superior construction strength, stiffness, and workability that make your project a structural success. Plus, OSB offers something more: economy and value. Competitive pricing and a high tech manufacturing process that eliminates panel imperfections mean less waste and improved profitability. OSB is available in common span ratings and thicknesses from 5/16" to 1 1/8" – so it doesn't limit your designs.

PERFORMANCE YOU CAN BUILD ON. PANEL AFTER PANEL.

OSB manufacturing removes natural imperfections commonly found in other wood panels, imperfections like knot holes, core voids, and splits.

Panel after panel, OSB is uniform – virtually eliminating most waste and giving you performance you can build upon. And since OSB is **engineered to perform**, it provides racking, impact and fire resistance, strength, stiffness, and thermal and acoustical properties.

OSB HANDLES LIKE ANY OTHER WOOD.

On site, OSB is highly workable. It covers large areas quickly and provides strength and rigidity to framing members during erection. Plus, OSB is approved by all major model building codes. It requires no special treatment, only the same degree of care as other wood panels. Panel edges are treated with a specially formulated moisture-

SMALLER LOGS EFFICIENTLY USED

OSB uses only freshly harvested trees from sustainable, fast-growing forests such as aspen poplar, southern yellow pine, mixed hardwoods, and other suitable species.

UNIFORM STRANDS MEAN UNIFORM BOARDS

The trees are cut to length, debarked, and processed into precise strands averaging 4" long and 1" wide. The strands are dried, blended with resin binder and wax, and formed into large continuous mats.





resistant coating. Edges are available square-edged or tongue and groove for fast and easy installation.

VERSATILITY, PERFORMANCE, AND A GOOD NIGHT'S SLEEP.

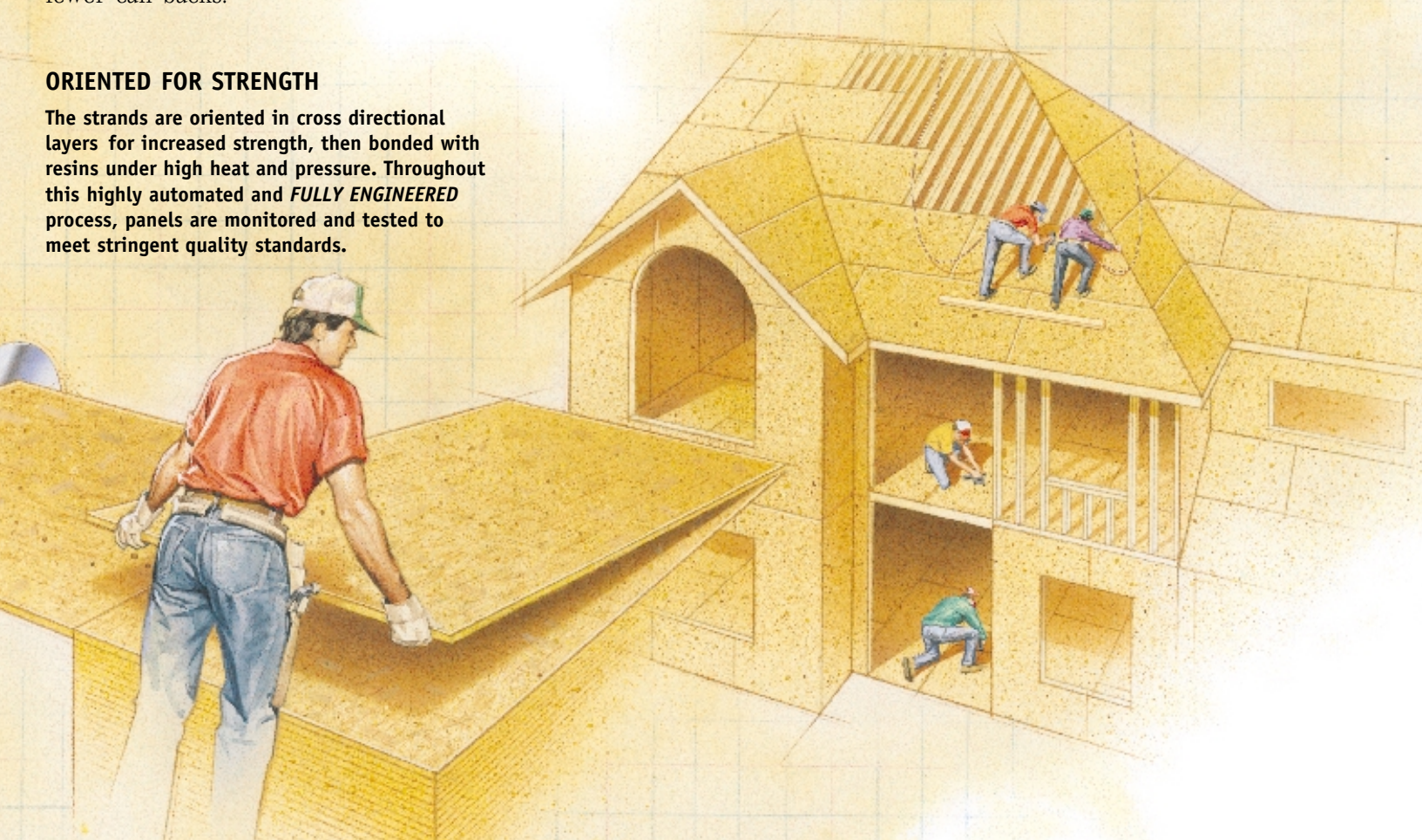
OSB is right for residential construction projects where strength, stiffness, and durability are required. Its reliability means less expense and fewer call backs.

ORIENTED FOR STRENGTH

The strands are oriented in cross directional layers for increased strength, then bonded with resins under high heat and pressure. Throughout this highly automated and **FULLY ENGINEERED** process, panels are monitored and tested to meet stringent quality standards.

- ◆ **Wall Sheathing** — OSB provides excellent strength and racking performance under all types of exterior cladding.
- ◆ **Roof Sheathing** — Uniformly sound and extra rigid, OSB roof sheathing handles snow and wind loads.
- ◆ **Subfloors** — OSB provides a strong, rigid, and impact-resistant platform for underlayment, carpet, or tiles.

- ◆ **Single-Layer Floors** — Use OSB directly under carpet, lightweight concrete, or hardwood instead of both subfloor and underlayment.
- ◆ **Underlayment** — Uniformly thin yet strong and finely sanded, OSB underlayment provides extra smoothness and a uniform base for vinyl or tile.
- ◆ **Structural Insulated Panels** — OSB foam-core panels offer the utmost in R-value, fire resistance, and ease of installation. Structural Insulated Panels are the key structural component in “one-piece” construction, which is significantly stronger than similarly configured stick-built structures.
- ◆ **I-Joists** — Engineered wood I-joists with OSB webs provide a high quality support system that minimizes deflection and eliminates floor squeaking.



OSB AND THE ENVIRONMENT.



Choosing the right structural panel means more than checking performance specifications. The concern for energy efficient and environmentally sound building products is a growing priority — both to you *and* your customers. As the only truly renewable building material, wood is increasing its reserves every year. Therefore oriented strand board is the natural solution to this challenge:

- ◆ The fiber for OSB is grown in sustainable forests and tree farms.
- ◆ The manufacturing process uses nearly 90% of the log, with the balance used to supply energy.
- ◆ OSB is environmentally responsible. It takes far more energy and resources to produce steel, concrete, or other building materials.
- ◆ Modern mills — costing more than \$90 million — are scientifically designed to meet or exceed strict quality standards for environmental safety.
- ◆ OSB is safe to use. Resin binders and waxes are completely cured and stabilized, so there is no measurable offgassing from panels.

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

Forexport Inc.
St-Michel-des-Saints, Québec, Canada

Grant Forest Products Ltd.
Englehart, Ontario, Canada

Isoroy S.A.
Châtelleraut, France

Huber Engineered Woods
Easton, Maine, USA
Commerce, Georgia, USA

Kronopol GmbH
Zary, Poland

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

**MacMillan Bloedel/North Superior
Forest Products**
Wawa, Ontario, Canada

Malette Québec Inc.
Timmins, Ontario, Canada
St. Georges, Québec, Canada

**Maderas Y Sintéticos 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
Hudson Bay, Saskatchewan, Canada

Slocan Forest Products Ltd.
Fort Nelson, B.C., Canada

Tolko Industries Ltd.
High Prairie, Alberta, Canada

**Voyageur Panel Ltd./
Boise Cascade Corporation**
Barwick, Ontario, Canada

Weyerhaeuser Canada Ltd.
Drayton Valley, Alberta, Canada
Edson, Alberta, Canada
Slave Lake, Alberta, Canada