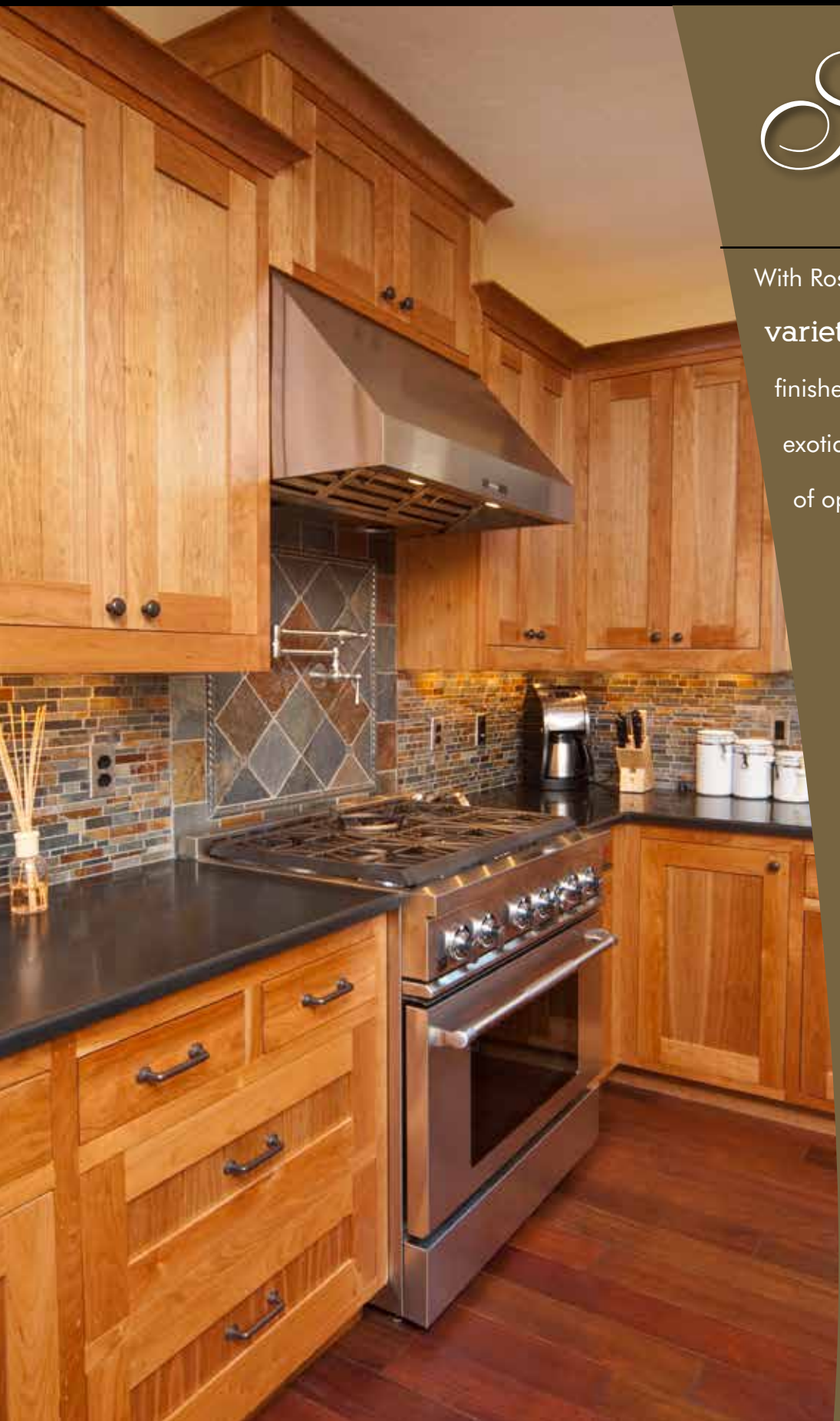
Roseburg
A Forest Products Company
www.Roseburg.com

Roseburg
SkyPly®
Hardwood Plywood



Superior QUALITY

With Roseburg, you have a **wide variety** of options for faces, backs, finishes and cores. From Oak to exotic Anegre, **we deliver** a world of options in hardwood panels.

Roseburg

SkyPly®

Hardwood Plywood

Contents

Roseburg is your fully integrated, single source producer of the finest in decorative hardwood panels. We own and sustainably manage over 630,000 acres of forestlands, 173,000 acres of which are FSC® Certified. Our manufacturing facilities stretch from the Northwest to the Southeast.

With Roseburg, you have a wide variety of options for faces, backs, finishes and cores.

- Mixed product shipment availability
- Integrated manufacturing facilities
- Broadest product mix from one single source producer
- FSC Mix Credit Certified panels available (FSC-C017580)
- MDF, Particleboard or CFC cores have pre-consumer recycled content
- SkyPly, RediPly, RediFinish are UL GREENGUARD Certified.
- **All Roseburg SkyPly Hardwood Plywood is CARB Ultra Low Emitting Formaldehyde (ULEF) Exempt (California Executive Order N-16-038).**

Roseburg
SkyPly®
Hardwood Plywood

Sliced VENEERS

CHERRY

CALICO HICKORY

RED OAK

WALNUT

ALDER

WHITE MAPLE

AFRICAN MAHOGANY

EUROPEAN STEAMED BEECH

WHITE OAK

Rotary VENEERS

NATURAL BIRCH

WHITE BIRCH

RED BIRCH

NATURAL MAPLE

WHITE MAPLE

OKOUME

RED OAK

Engineered VENEERS

QUARTERED ZEBRAWOOD

QUARTERED TEAK

QUARTERED EBONY LIGHT

QUARTERED EBONY BROWN

RIFT WHITE OAK

QUARTERED WALNUT

Hardwood Panels with an engineered face veneer can be used anywhere a panel with a traditional hardwood veneer is used, including retail environments, hospitality, office furniture, etc. The engineered veneer on the hardwood panel is produced by slicing thin layers from lesser valued trees, recombining them into multi-ply panels over undulating press plates and reslicing, which results in veneers that convincingly mimic high-character species such as Zebrawood.

Exotic VENEERS

PLAIN SLICED ANEGRE

QUARTERED ANEGRE

RIBBON SAPELE

QUARTERED ZEBRAWOOD

PLAIN SLICED
NATURAL BAMBOO

QUARTERED
CARAMEL BAMBOO

PLAIN SLICED
JATOBA

PLAIN SLICED TEAK

QUARTERED TEAK

Core OPTIONS

Roseburg
SkyPly®
Hardwood Plywood

Veneer
Constructed using innerplies composed of Western softwoods. Veneer core panels are lightweight, dimensionally stable and have excellent screw-holding capacity.

HXB Veneer
Combines the smooth finish of a hardwood veneer crossband beneath the hardwood face and back with the strength and durability of western softwood veneer innerplies. Together they create an excellent hardwood plywood panel that is smoother and has less potential for core telegraphing.

CFC
Combination Fiber Core (CFC) combines MDF cross bands with softwood veneer innerplies. The MDF crossbands provide an ultra smooth surface to reduce telegraphing through the face, while the veneer innerplies maintain the strength and screw-holding power of a veneer core panel. This option is recommended for high-end veneers.

Particleboard

Multi-layered substrate produced using a blend of western softwoods. The core consists of pre-consumer recycled wood fiber. The combination of sanding to extremely smooth, tight and grainless surfaces on both sides, with a controlled distribution pattern of particles in the core, results in a uniform, dimensionally stable panel.

Medium Density Fiberboard

Makes for a very smooth, consistent panel. This is a great substrate for high-end veneer and for applications where routing and shaping are required. The MDF core consists of pre-consumer recycled wood fiber.

MultiPly

A premium quality multi-layer veneer core panel constructed of nearly void free uniform birch veneer. This all hardwood core produces an attractive uniform edge for those applications requiring an exposed edge finish. Often used for drawer sides, this panel is also preferred for its consistent cutting performance.

Sustainable Features:

- Most SkyPly Hardwood Plywood panels are available with the option of FSC® Certification
- SkyPly, RediPly and RediFinish are UL GREENGUARD Certified for low VOC emissions.
- All SkyPly Hardwood Plywood is Ultra Low Emitting Formaldehyde (ULEF)
- Complies with CARB ATCM 93120, ULEF Exemption under California Executive Order N-16-038.
- Meets requirements for LEED® v4 Low-Emitting Materials
- LEED 2009 No Added Urea Formaldehyde (NAUF) option is available (minimum order applies)
- Composite cores are ECC Certified for pre-consumer recycled content.
- No added formaldehyde (NAF) MDF core option is available.

FSC
www.fsc.org
FSC® C017580
The mark of responsible forestry

Panel OPTIONS

RediPly Hardwood Panels combine our hardwood veneer face with a Duramine® Thermally Fused Laminate (TFL) back.

Roseburg SkyPly® Hardwood Plywood

RediPly Hardwood Panels

We are very proud to be your single source producer. Roseburg's RediPly program reflects our integration and dedication to providing quality panels to meet your needs. RediPly combines our hardwood veneer face with a Duramine® Thermally Fused Laminate (TFL) back. RediPly panels are available with a pre-finished UV clear topcoat that provides a smooth durable finish to the face.

Panel Options

BACK	CORE	OVERLAY
Duramine (TFL) Size: 4' x 8' Thickness: 5/8", 3/4"	Particleboard MDF	11-white, 55-hard rock maple 16-almond, other solids and woodgrains available

RediFinish Hardwood Panels

Roseburg's RediFinish panels are prefinished using an automated system consisting of sanding, sealing, curing, and top coating each panel. All of our SkyPly Hardwood Plywood panels are finished using Epoxy Arylate UV coating that is 100% solids and have no VOC emissions. Our coatings have additives that make them scratch- and mar-resistant and they are regularly tested to ensure they maintain and exceed KCMA standards. We make panels in four standard gloss reflection levels, low (20-30), satin (30-40), medium (50-60) and high (70-80). Custom gloss reflection levels are available within +/- 5% reflectivity with a 200 face minimum.

Availability:

Thickness: 5.2mm, 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/8", 1-1/4" **Lengths**: 8' & 10' **Widths**: 4'
One or two sides on a variety of cores: Veneer, HXB, MDF, MultiPly, Particleboard and CFC.

RediBead Hardwood Panels

Roseburg's RediBead panels combine the look and feel of real wood with a tongue and groove appearance. It can be used for cabinet doors and backers, wainscoting, wall paneling or any other interior design application where the warmth and beauty of hardwood is desired.

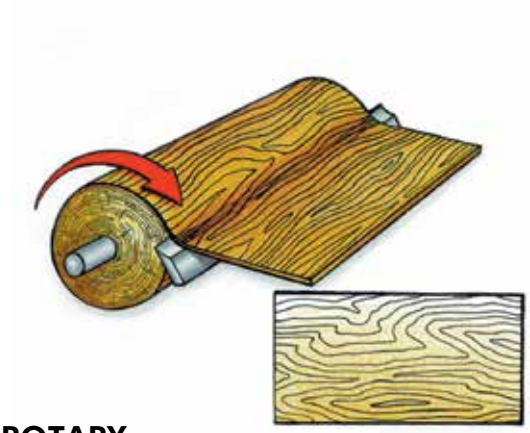
Availability:

Thickness: 1/4", 1/2", 5/8", 3/4", 1" **Lengths**: 8' & 10' **Widths**: 4'
Species: Any hardwood veneer **Bead Pattern**: 1-1/2" o.c.
Core Options: MDF provides the best groove and bead appearance for all thicknesses.

Slicing OPTIONS

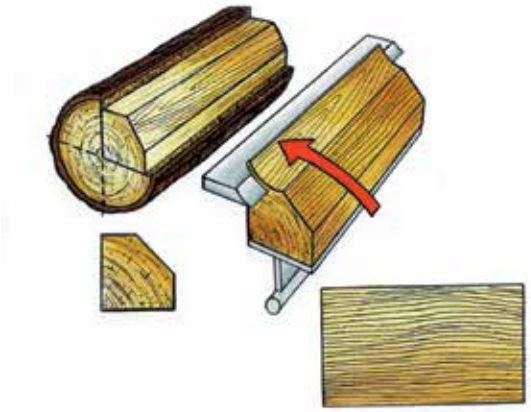
TYPES OF VENEER CUTS

Depending on the manner in which a log is cut, strikingly different visual effects can be achieved with the wood's grain and characteristics. Two logs of the same species, cut in different ways, produce distinctive, individual veneers.



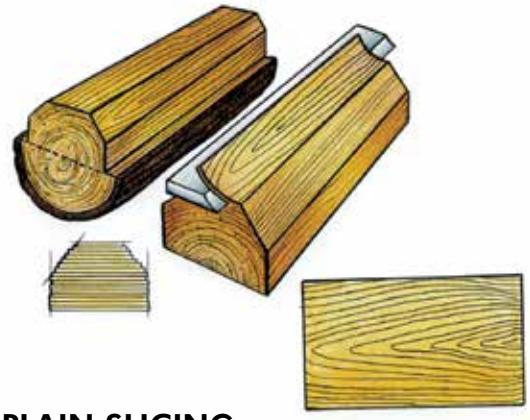
ROTARY

The entire log is cut or "peeled." It can yield full sheets of veneer with broad grain pattern and no plain or quarter-sliced appearance.



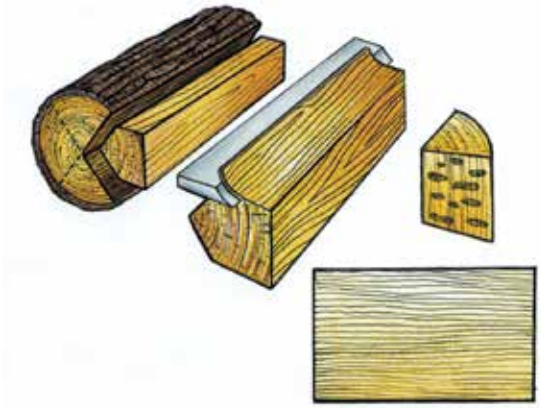
RIFT CUT

A cut angle of 15 degrees to the radius of the flitch is used to minimize the ray flake affect in oak.



PLAIN SLICING

The half log, or flitch, is mounted with the heart side flat against the flitch table of the slicer. The slicing is done parallel to a line through the center of the log to produce a distinct figure.

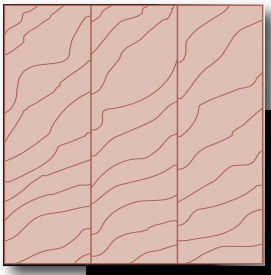


QUARTER SLICING

This method produces a series of stripes — straight in some woods, varied in others. A flake pattern is produced when slicing through medullary rays in some species, principally oak. Most species produce the same look as rift cut.

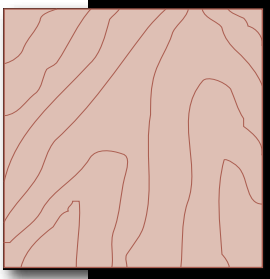
Veneer MATCHING

Natural coloration and arrangement of veneer, comprising the panel face, determine the resulting visual effect. Different matching techniques are used for specific panel applications.



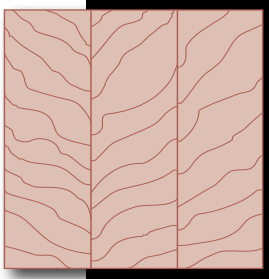
SLIP MATCH

Adjacent veneer sheets are joined side by side, same sides up, for a uniform grain pattern.



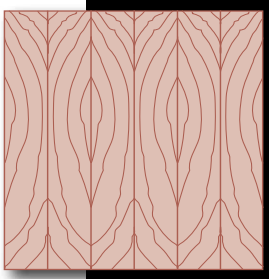
WHOLE PIECE

One single piece of veneer is used, with continuous grain characteristics running across the sheet.



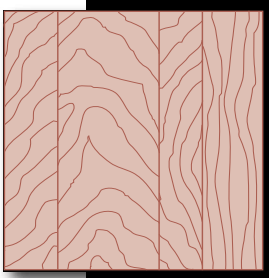
PLEASING MATCH

Veneers are matched by color or similarity, not necessarily by grain characteristics.



BOOK MATCH

Every other piece of adjacent veneer is turned over, resulting in identical, but opposing patterns.



RANDOM MATCH

Veneers intentionally do not match at the joints, providing a casual effect.

Technical INFORMATION

Panel: **Roseburg SkyPly Hardwood Plywood Panels**

Overview All Roseburg hardwood panels are CARB ULEF Exempt and can contribute to the LEED v4 Low-Emitting Materials credit for Composite Wood. SkyPly, RediPly and RediFinish hardwood plywood panels are UL GREENGUARD Certified for low VOC emissions.

Specifications

Lengths	8’ & 10’	Widths	4’			
Thickness	Core	Thickness	Plys	Core	Thickness	Plys
	Veneer core panels	1/4”	3	Particleboard core panels	1/2”, 5/8”, 3/4”, 1”	3
		3/8”, 1/2”	5			
		5/8”, 3/4”	7			
		3/4”	9 (specified)			
		1”, 1-1/8”, 1-1/4”	9,11	MDF core panels	5/32”, 3/16”, 5.2mm, 1/4”, 3/8” 1/2”, 5/8” 3/4”, 1”	3
Face	**Rotary, plain sliced, quarter sliced, rift and exotic veneer hardwood panels** are faced with hand selected hardwood veneers that, when applied to a laminating substrate, create a panel that has the rich beauty of hardwood. **Engineered face veneer hardwood panels** are faced with a veneer that is produced by slicing thin layers from lower value trees, recombining them into multi-ply panel over undulating press plates and re-slicing, which results in veneers that convincingly mimic high-character species such as Birdseye Maple. **RediFinish hardwood panels** are produced using a high performance UV cure burnishing sealer and a mar-resistant UV cure topcoat applied to the hardwood veneer face. **RediPly hardwood panels** combine hardwood veneer faces with a thermally fused laminate back. **RediBead Panel** combines the look and feel of real wood with a tongue and groove appearance.					
Back	Hardwood veneer, Thermally Fused Laminate, Balancing backer, Glueable backer					
Core Options	Veneer Western Softwood Veneer Combination Fiber Core (CFC) MultiPly Hardwood Cross Band (HXB)		Particleboard		MDF	
Finish Options	Natural unfinished, UV-cured clear topcoat, beaded					
Slicing Options	Rotary, Rift Cut, Plain Slicing, Quarter Sawn. Slicing option is based on desired hardwood veneer.					
Veneer Matching Options	Slip, Whole Piece, Pleasing, Book, Random. Natural coloration and arrangement of veneer, comprising the panel face, determine the resulting visual effect. Different matching techniques are used for specific panel applications.					
Dimensional Tolerances	Refer HPVA ANSI/HPVA HP-1-2009					
Resin	ULEF Resin. View Safety Data Sheet on www.Roseburg.com					
Sanding	180-220 grit					
Flame Spread Rating	Class C or Class III.					
Certifications	SkyPly is GREENGUARD Certified for low VOC emissions. Refer to certificates on www.roseburg.com or www.greenguard.org Complies with CARB ATCM 93120 Ultra Low Emitting Formaldehyde (ULEF) Emission Limits, under Executive Order N-16-038					
Manufacturing Locations	Dillard, OR					

Maintaining QUALITY

Proper handling and storage

Between the time panels are manufactured and put into their final application, there are many opportunities for hardwood plywood panels to be damaged. The following handling and storage tips should be observed at every step along the route to ensure the panels reach their final destination unscathed.

Handling

Minimize Movement – The best way to minimize handling damage is by handling the panels as little as possible. Plan your warehousing and process flow operations to minimize the need to handle the panels.

Proper Strapping – When you do need to move panels, make sure that they are properly secured and strapped. This will minimize the chances that the units will unexpectedly shift during transport.

Dunnage – Keep the panels properly protected until they are ready for use on the job site. The proper dunnage will absorb many handling dings and nicks before they reach the panels.

Training – Properly trained employees are your best defense against damage. Make sure all employees are trained in the proper and safe use of fork trucks, pallet jacks, and other handling equipment. If your employees are careful and know how to handle panels, your panels will stay in good shape.

Storage

Proper Stacking – Proper stacking is vitally important to protecting panels. Make sure you maintain clean stacks with no protruding edges. When stacking units, keep similar lengths of similar product together and maintain proper alignment and quality of stacking sticks to avoid bending or flexing panels. The sticks should be thick enough to allow fork truck tines to pass unobstructed between units.

Temperature – Wood is a natural material and is negatively affected by extreme swings in temperature. Also, wood stored in direct sunlight may heat up enough to warp. To minimize damage, storage temperatures should be maintained between 60–90°F.

Moisture – Extreme swings in humidity and direct contact with water can both damage the appearance and performance of hardwood panels. It is extremely important to store panels in a climate controlled environment to eliminate the impacts of moisture. The storage environment's relative humidity should mimic the anticipated service environment, usually 30–55% RH.

Light – Although most wood will change color upon exposure to sunlight, the effect is more pronounced in some of the species commonly used in hardwood panels. Cherry, for example, will begin to change color within a few hours of exposure to sunlight. For that reason, panels should be neatly stacked and covered during storage.

Coverings – Roseburg's hardwood plywood is packaged in attractive unit covers that also help protect the panels from damage. Each panel is end stamped with the grade, species and standards. Special services, such as barcoding are also available upon request.

Delivery and Fabrication

Acclimation Period – Do not deliver panels to the job site until they are needed and the site is ready, but allow at least 48 hours for the panels to acclimate to the use environment before installation. Panels that aren't given enough time to acclimate on the job site prior to fabrication may warp during use.

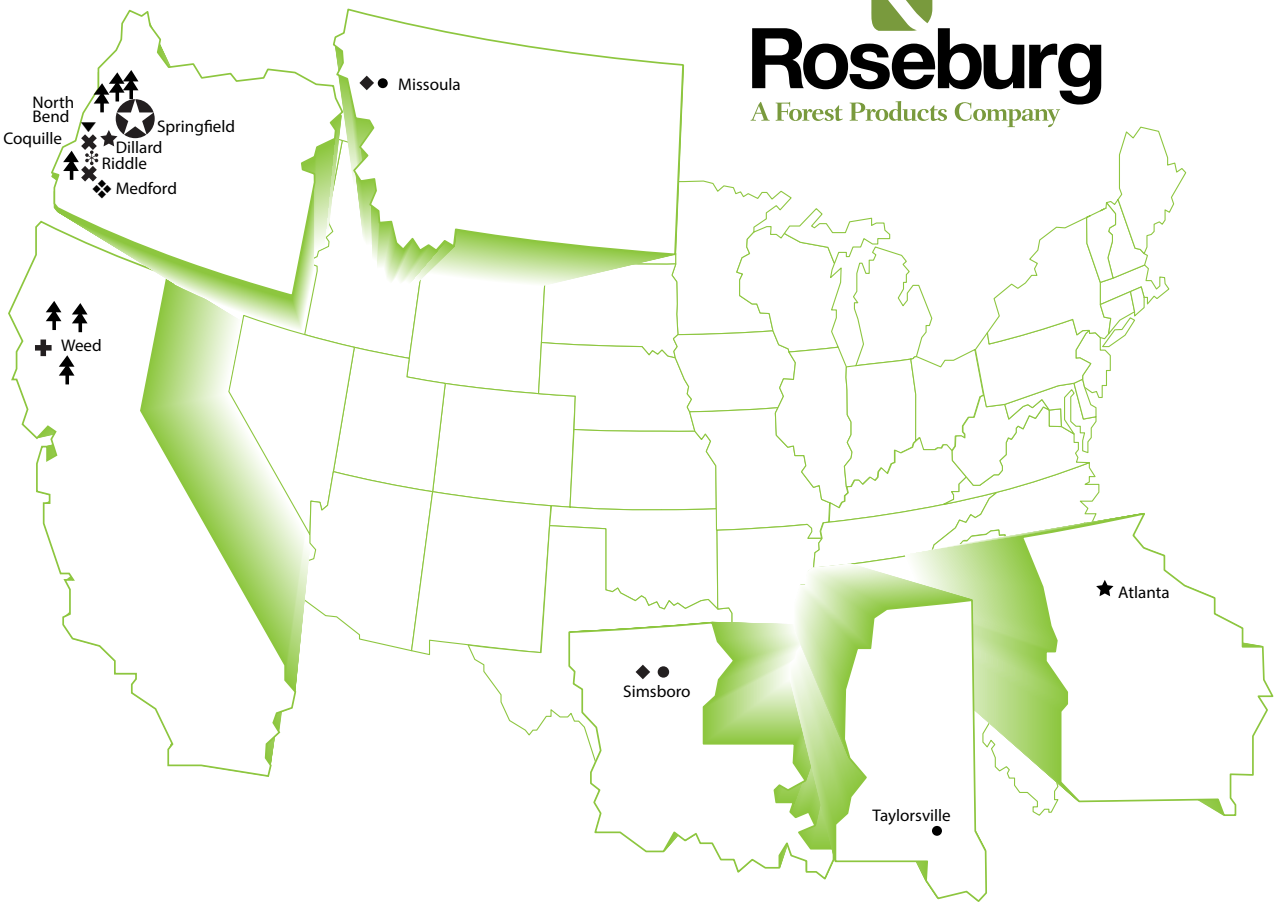
Machining

The panel is constructed to provide the best possible machining results when sawn, routed, shaped and drilled. Proper nails, screws and other fasteners may be placed near the edge without splitting the panel.

Finishing

It is recommended that fine-grit sandpaper and sanding sealer be used prior to staining. Because hardwoods react differently to certain finishes, a test sample should be done first, to determine the desired appearance before final finishing.

Roseburg
A Forest Products Company



Key

Corporate Office, Sales, Operations, Lumber, Particleboard, Thermally Fused Laminate Panels, Plywood, Hardwood Plywood, Specialty Panels, Panel Cut-to-size, Wood Pellet Fuel

- ★ Regional Office
- ● Particleboard
- ❖ Medium Density Fiberboard (MDF)
- ✖ Plywood
- ◆ Thermally Fused Laminate Panels
- ❊ Engineered Wood
- ✚ Veneer
- ▼ Chip Export Facility
- ▲ Panel Cut-to-size
- Timberlands

Locations

Corporate Office
Springfield, OR

Western Regional Office
Dillard, OR

Eastern Regional Business Office
Atlanta, GA

Particleboard & Specialty Panels
Dillard, OR
Missoula, MT
Taylorsville, MS
Simsboro, LA

Medium Density Fiberboard (MDF)
Medford, OR

Thermally Fused Laminate Panels
Dillard, OR
Missoula, MT
Simsboro, LA

Hardwood Plywood
Dillard, OR

Engineered Wood
Riddle, OR

Lumber
Dillard, OR

Softwood Plywood
Coquille, OR
Dillard, OR
Riddle, OR

Softwood Veneer
Weed, CA

Softwood Chip Export
North Bend, OR

Wood Pellet Fuel
Dillard, OR

www.Roseburg.com

Roseburg

DISTRIBUTED BY:

Roseburg
A Forest Products Company

3660 Gateway Street
Springfield, OR 97477
Tel. 800-245-1115 • Fax (541) 679-2543
www.**Roseburg**.com