

# SkyPly®

HARDWOOD PLYWOOD



SkyPly® decorative hardwood plywood panels are produced from the finest hardwood veneers that are hand-selected for quality and consistency prior to being laminated to the underlying core. Featuring a range of beautiful hardwood veneer faces, types of veneer cuts and matches and a huge range of core options engineered for different applications, SkyPly is ideal for cabinetry, furniture, custom casework, fixtures and wall panels.

MAKING LIVES BETTER FROM THE GROUND UP.

 **Roseburg**

# SkyPly®

## HARDWOOD PLYWOOD

Roseburg is a leading manufacturer of domestic hardwood plywood with an offering that includes all of the common hardwood species. All of our hardwood plywood panels are made with a hand selected face veneer applied to either a softwood veneer or composite substrate.

### CONTENTS

Veneer Options.....	2-3
Core Options.....	4-5
Veneer Matching.....	6
Slicing Options.....	7
Panel Finish Options.....	8
Technical Information.....	9
SkyPly Sustainability.....	10
Instructions for Use.....	11

## Veneer Options



Vertical Grain Fir



Calico Hickory



Rift White Oak



Redibead R - White Maple



R - White Maple



R - White Birch



R - Red Birch



R - Maple



QTR - Walnut



PS - White Oak



PS - White Maple



PS - White Ash



PS - Walnut



PS - Red Oak



PS - Knotty Pine



PS - Knotty Alder



PS - Golden Oak



PS - Clear Alder



PS - Cherry



PS - Beech



PS - Aromatic Cedar

# Core Options



## VENEER

Constructed using innerplies composed of western softwoods, veneer core panels are lightweight, dimensionally stable and offer excellent screw-holding capability.

## 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 medium density fiberboard (MDF) crossbands 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.

SUSTAINABLE CORES			
	Veneer	HXB Veneer	SkyPly® Combination Fiber Core (CFC)
ULEF Exempt	✓	✓	✓
NAF Exempt			



### ULTRABLEND & SKYBLEND® PARTICLEBOARD

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

### MEDIUM DENSITY FIBERBOARD

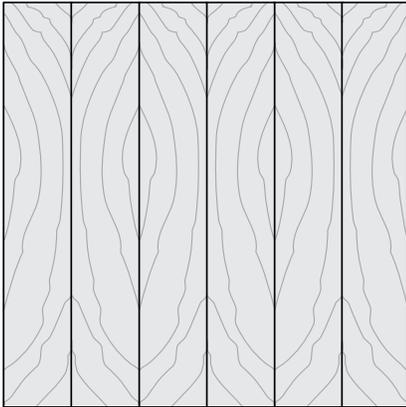
Makes for a very smooth, consistent panel. This is a great substrate for high-end veneer and for applications where routing and shaping are required. The MDF core consists of pre-consumer recycled wood fiber.

### MEDITE® FR MDF

The same advantages of creating a hardwood plywood panel with a MDF core exist with Medite FR, along with the added benefit of integrated flame retardant when that feature is either desired or required. Medite FR is a Class 1/A-certified panel with no added formaldehyde and is an ideal substrate for high-end veneers.

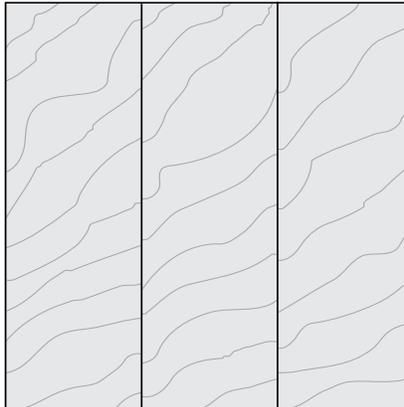
SUSTAINABLE CORES					
	SkyBlend® Particleboard	Arreis® MDF	Medite® II MDF	Medex® MDF	Medite® FR MDF
ULEF Exempt	✓				
NAF Exempt		✓	✓	✓	✓

# Veneer Matching



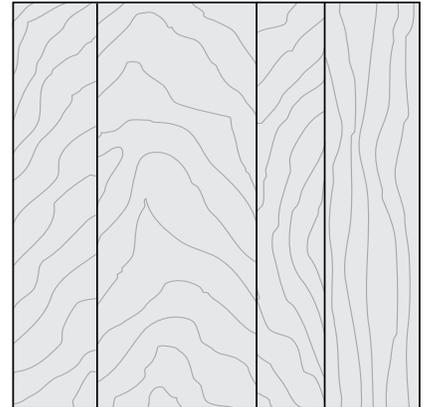
## BOOK MATCH

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



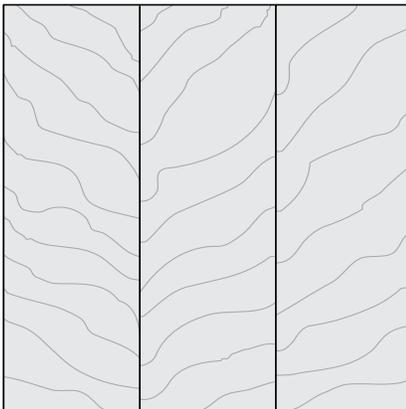
## SLIP MATCH

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



## RANDOM MATCH

Veneers intentionally do not match at the joints to create a casual effect.



## PLEASING MATCH

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



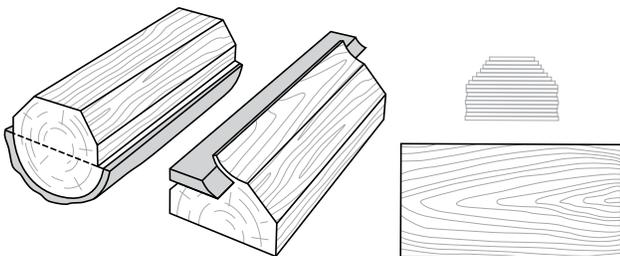
## WHOLE PIECE

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

# Slicing Options

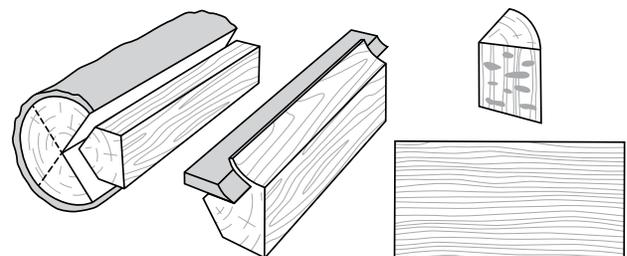
## TYPES OF VENEER CUTS

Strikingly different visual effects can be achieved with the wood's grain and characteristics depending on how the log is cut. Two logs of the same species, cut using different methods, will produce distinctive, individual veneers.



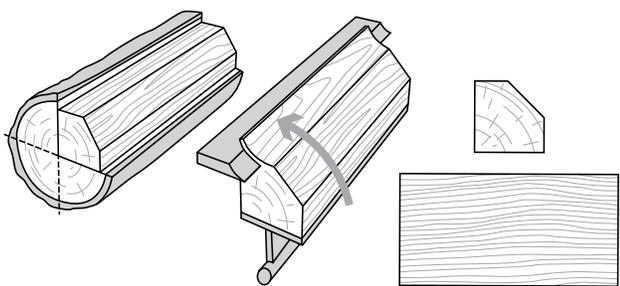
### PLAIN SLICING

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.



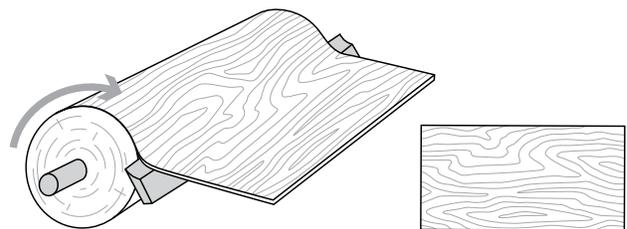
### QUARTER SLICING

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, particularly oak. Most species produce the same look as rift cut.



### RIFT CUT

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



### ROTARY CUT

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.

# Panel Finish Options

## REDIFINISH HARDWOOD PANELS

RediFinish panels are prefinished using an automated system consisting of sanding, sealing, curing and top coating each panel. All RediFinish panels are finished using an epoxy acrylate UV coating that is 100% solids and has no volatile organic compound (VOC) emissions. Additives ensure Roseburg's coatings are scratch- and mar-resistant and are regularly tested to ensure they maintain and exceed Kitchen Cabinet Manufacturers Association (KCMA) standards. Panels are available 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.

## REDIBEAD HARDWOOD PANELS

RediBead panels have a tongue-and-groove appearance (1-1/2" on-center) and can be used for cabinet doors and backers, wainscoting, wall paneling or any other interior design application where the warmth the beauty of beaded hardwood is desired.

### REDIFINISH TECHNICAL DATA

<b>Lengths</b>	8', 10'
<b>Width</b>	4'
<b>Thicknesses</b>	5.2mm, 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/8", 1-1/4"
<b>Core</b>	Veneer, HXB, CFC, Particleboard, MDF

### REDIBEAD TECHNICAL DATA

<b>Lengths</b>	8', 10'
<b>Width</b>	4'
<b>Thicknesses</b>	1/4", 1/2", 5/8", 3/4", 1"
<b>Core</b>	MDF provides the best groove-and-bead appearance for all thicknesses



# Technical Information

TECHNICAL DATA			
<b>Lengths</b>	8' & 10'		
<b>Widths</b>	4'		
<b>Core Specifications</b>	<b>Core</b>	<b>Thickness</b>	<b>Plys</b>
	<b>Veneer</b> - Western Softwood Veneer (White Fir), Combination Fiber Core (CFC), Hardwood Cross Band (HXB)	1/4"	3
		3/8", 1/2"	5
		5/8", 3/4"	7
		1", 1-1/8", 1-1/4"	9, 11
<b>Particleboard</b>	1/2", 5/8", 3/4", 1"	3	
<b>MDF</b>	5/32", 3/16", 5.2mm, 1/4", 3/8" 1/2", 5/8" 3/4", 1"	3	
<b>Face Options</b>	<p><b>Rotary, plain sliced, quarter sliced, rift cut hardwood panels</b> are faced with hand selected hardwood veneers that, when applied to a laminating substrate, create a panel that has the rich beauty of hardwood.</p> <p><b>RediFinish hardwood panels</b> are produced using a high performance UV cure burnishing sealer and a mar-resistant UV cure topcoat applied to the hardwood veneer face.</p> <p><b>RediBead Panel</b> combines the look and feel of real wood with a tongue and groove appearance.</p>		
<b>Back Options</b>	Hardwood veneer, Balancing backer		
<b>Finish Options</b>	Natural unfinished, UV-cured clear topcoat, beaded		
<b>Slicing Options</b>	Rotary, Rift Cut, Plain Slicing, Quarter Sawn. Slicing option is based on desired hardwood veneer.		
<b>Veneer Matching Options</b>	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.		
<b>Dimensional Tolerances</b>	Refer HPVA ANSI/HPVA HP-1-2016		
<b>Resin</b>	ULEF Resin. View Safety Data Sheet on <a href="http://roseburg.com">roseburg.com</a>		
<b>Sanding</b>	180-220 grit		

## COMMON APPLICATIONS

- Cabinetry
- Custom casework
- Fixtures
- Furniture
- Wall panels

## STANDARDS AND CERTIFICATIONS

- SkyPly is GREENGUARD Certified for low VOC emissions. Refer to certificates on [roseburg.com](http://roseburg.com)
- Complies with EPA TSCA Title VI and is ULEF Exempt, under Executive Order N-18-038cc, and N-18-038vc

## MANUFACTURING FOOTPRINT

Dillard, Oregon

# SkyPly® Sustainability

## A FOCUS ON SUSTAINABILITY

The construction of a hardwood plywood panel is an innovative and efficient use of trees. Compared to a solid hardwood product, a tree is peeled into thin veneers and those veneers are stitched together in a variety of ways offering the beauty of the wood grain but yielding far more material from one tree. These sheets of veneer are laminated to a core that can be constructed of various forms and species of wood – including the recycled waste from the production of lumber and other wood manufacturing by-products.

## COMPLIANCE

Title VI of the Toxic Substances Control Act (TSCA) is a federal formaldehyde emissions standard for composite wood products including hardwood plywood. Prior to EPA TSCA Title VI, formaldehyde emissions from hardwood plywood were regulated by California under the CARB Air Toxic Control Measure 93120. Roseburg's Hardwood Plywood is third party certified (TPC-1) to meet the requirements of EPA TSCA Title VI and is CARB ULEF Exempt (CA Executive Orders N-18- 038cc and N-18-038vc. Certificates available at [www.roseburg.com](http://www.roseburg.com). Lacey Act – Roseburg is firmly committed to complying with the Lacey Act and legally trading in wood products. Roseburg exercises due diligence as a means to ensure compliance with all applicable wood standards and associated laws. For more information visit [www.roseburg.com/Regulatory-info](http://www.roseburg.com/Regulatory-info)

## VOLUNTARY CERTIFICATIONS



UL GREENGUARD  
Certified by UL for low total VOC emissions.



Most SkyPly panels are available with the option of FSC certification.  
FSC-C017580



EPD – Type III product specific EPD  
(4786969381.1071)



ECC – Roseburg particleboard and MDF used as the cores in SkyPly are certified to the Composite Panel Association ECC



SkyPly Hardwood Plywood by Roseburg supports the following LEED v4 credits:

- Materials & Resources – Building Product Disclosure & Optimization
  - Environmental Product Declarations
  - Sourcing of Raw Materials – Leadership Extraction Practices (opt. 2)
  - Wood products certified by the Forest Stewardship Council
  - Recycled Content
- Indoor Environmental Quality Credit – Low Emitting Materials
  - Composite Wood Evaluation

Roseburg MDF used as cores in SkyPly® Hardwood Plywood are certified for recycled content by a third-party supplier.

For downloadable support documentation, go to [roseburg.com](http://roseburg.com)



# Instructions for Use

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 ACCLIMATION

**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.

## CUSTOMER SUPPORT

Providing superior customer service is a priority at Roseburg – something new customers quickly discover and long-time ones greatly appreciate.

## ABOUT ROSEBURG

Since 1936, Roseburg has been a major manufacturer and supplier of high-quality wood products. From humble beginnings in Oregon, we've grown through smart management of natural resources, state-of-the-art manufacturing facilities, talented and experienced team members and a reputation for reliably supplying quality wood products to a wide variety of clients.

Unique in today's wood products industry with a vertically integrated structure driven by over 600,000 acres of our own sustainably managed forestlands in Oregon, Virginia and North Carolina, Roseburg products are shipped and used throughout North America and the Pacific Rim.



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