

The Veneer Guide

USING VENEER
FOR NEW ZEALAND
INTERIORS

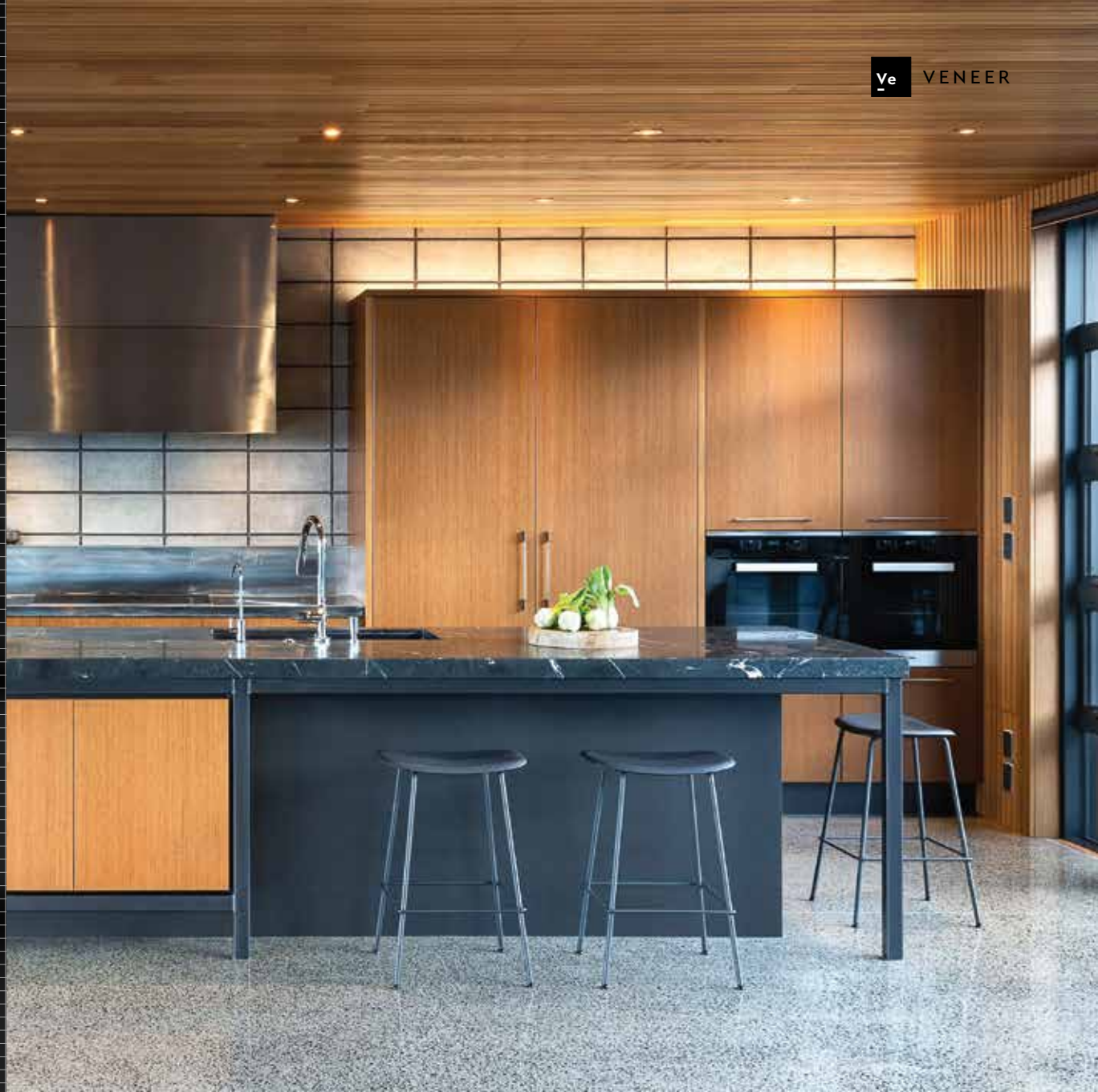


Made with
Real Wood



7 Year
Warranty

Ve VENEER





Kitchens on Highbrook



Bestwood Natural Veneer

AMERICAN WHITE OAK

| *Quarter Cut*



NEED A LITTLE HELP?

WE'VE BEEN IN THE BUSINESS
FOR MORE THAN 35 YEARS AND
LIKE NOTHING MORE THAN
TO PUT OUR EXPERIENCE,
EXPERTISE AND ADVICE TO
WORK ON YOUR NEXT PROJECT.

www.bestwood.co.nz

Naturally beautiful, naturally unique timber veneer

The warmth, beauty and richness of natural wood veneer is enhanced by the variation in grain and colour in every sheet. Good looks with a personality!

This guide aims to help specifiers, joiners and builders understand how to correctly select and work with quality timber veneers, whether it be for residential or commercial projects.

Cover Image: Teak Crown Cut
Kitchen Design by Toni Roberts

Bestwood Natural Veneer

AMERICAN WHITE OAK

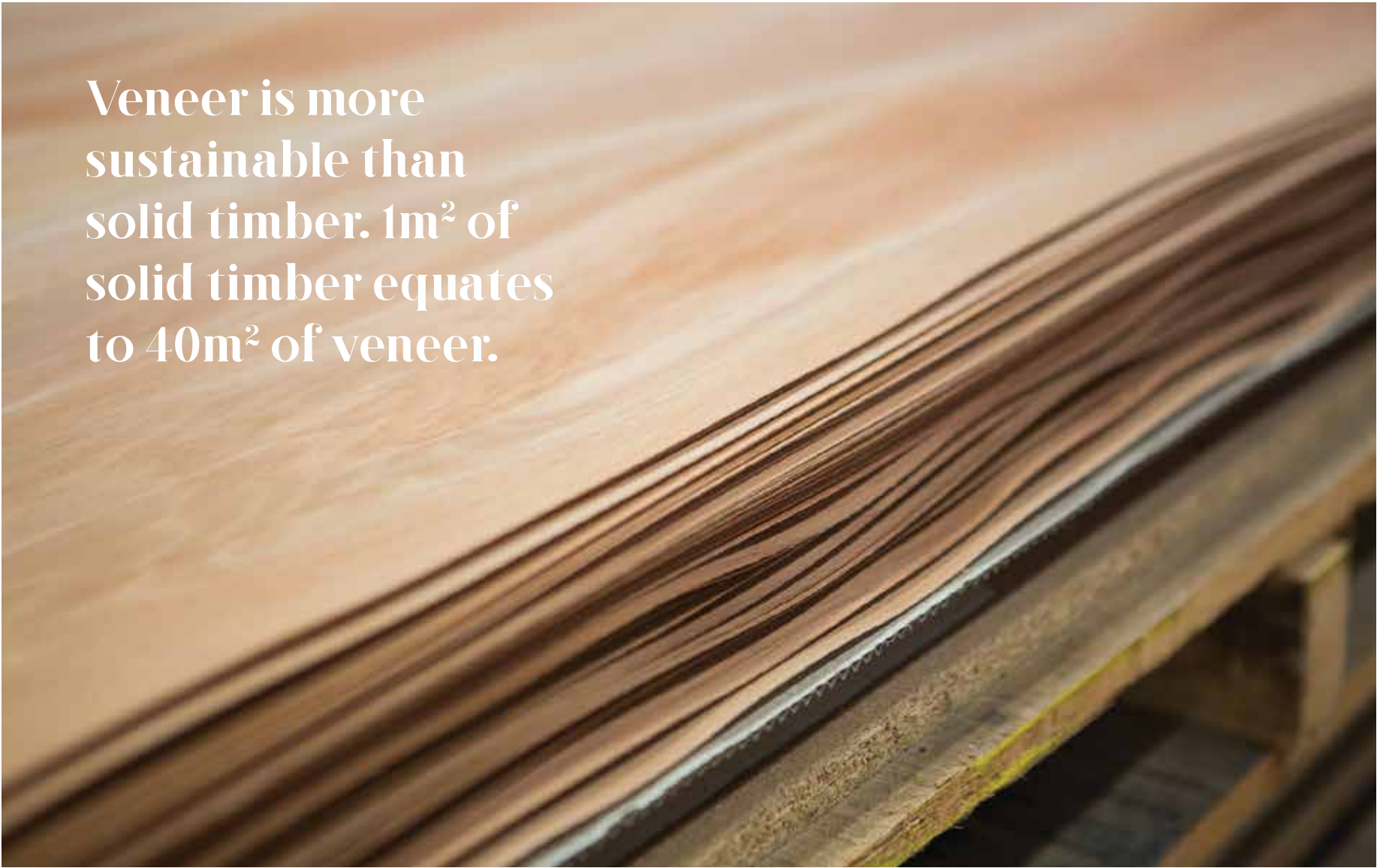
| Crown Cut (cross grain)

Red Beach Project
Toni Roberts, Kitchen Architecture Ltd



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Veneer is more
sustainable than
solid timber. 1m² of
solid timber equates
to 40m² of veneer.



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VENEER, VISIT
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How veneer is made

Veneer is a thin slice of leaf, usually around .55mm or less, which is glued onto a substrate such as MDF or ply to create a usable panel for joinery purposes.

Veneer is produced by either “peeling” the trunk of a tree or by slicing large rectangular blocks of wood known as flitches. The appearance of the grain in wood comes from slicing through the growth rings of a tree and depends upon the angle at which the wood is sliced. ‘Choosing the Right Cut’ on Page 12 explains the various options.

TURNING RAW VENEER INTO A VENEER PANEL

- The species and cut is selected and the sheets assembled according to the desired design. (Where narrow flitches are used, a number of these are hand-glued to make up a full sheet).
- The delicate veneer sheet is then glued and pressed onto a substrate and goes through a dryer to cure the glue.
- Each sheet is hand trimmed and then lightly sanded before despatch (additional sanding will be required prior to any coating being applied).

Compared to solid wood, one of the primary advantages of using veneer is stability. Solid wood can be prone to warping and splitting, but because veneer is made of thin layers of wood glued together, the chances of splitting and cracking are reduced. Further, the glue used provides additional strength, making the end result stronger than natural wood.



Formatt Bespoke Joinery
Queenstown



Bestwood Natural Veneer

AMERICAN WALNUT

| *Crown Cut*



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Veneer types

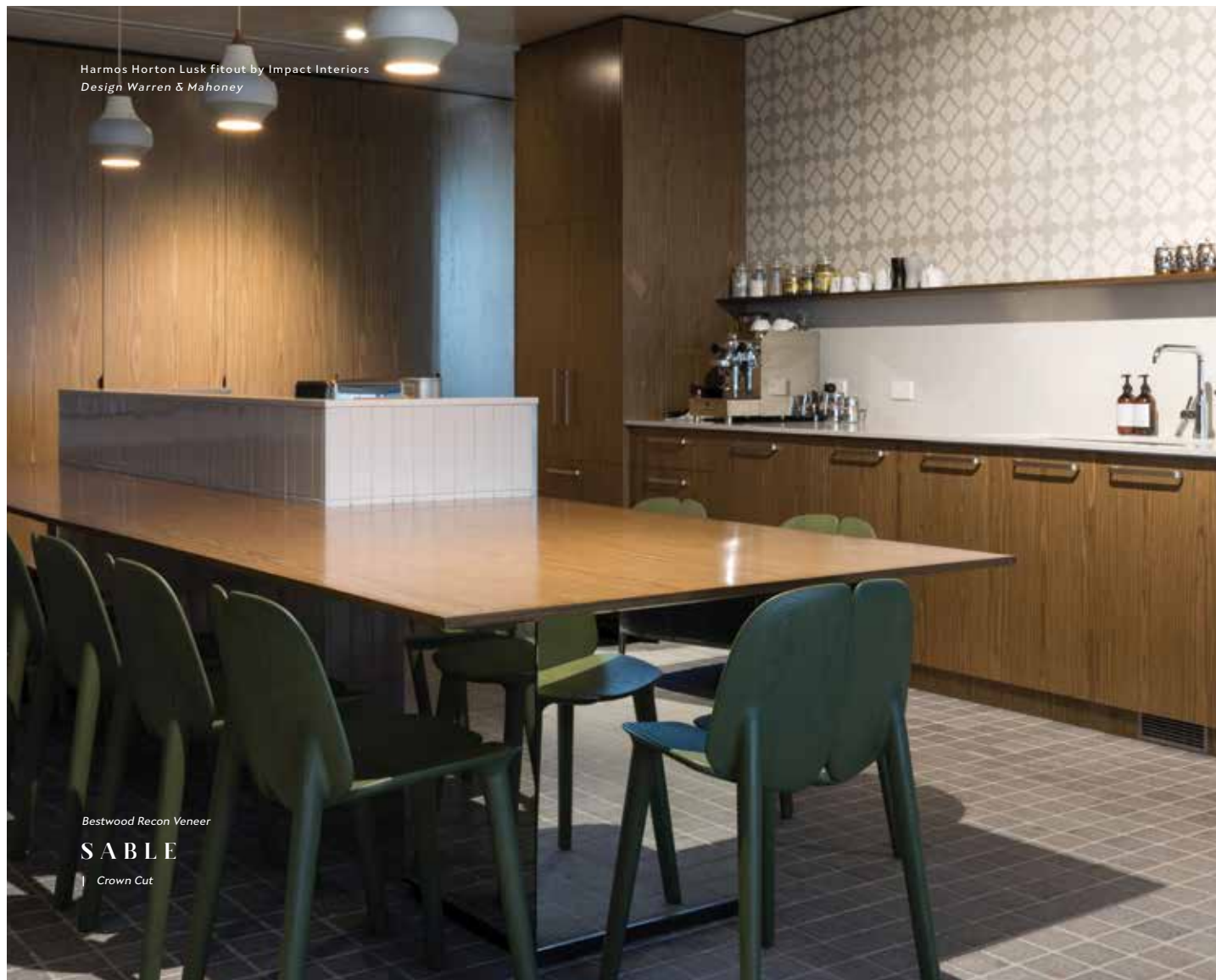
When you're selecting veneers, you'll have in mind the design effect you want to create. While the range of species on offer from Bestwood is comprehensive, there are two Veneer Collections, which are markedly different.

BESTWOOD NATURAL VENEER

There are more than 35 species to choose from in the Bestwood Natural Veneer collection, all carefully sourced from international and local suppliers, and all meeting our criteria for being sustainably sourced and harvested through verifiable certification schemes.

Our Natural Veneer Collection includes lighter grain timbers such as American White Oak and American Ash which have a strong texture and a light base colour, making them ideal for staining to a specific tone.

Finer grain timbers include European Beech, Anegre and Western Red Cedar and for statement veneers with a striking grain then Zebrano and Sapele would be a good option.



Bestwood Recon Veneer

SABLE

| Crown Cut





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Bestwood Recon Veneer

Recon Veneer is a superb option when you need consistency in both colour and grain - making it easier to achieve matching panels. It's particularly suited for large commercial projects where the need for uniformity across large areas is desired.

Recon Veneer is made by re-slicing and dyeing poplar or obeche logs which are then laminated together to form a veneer face with a much finer and consistent grain and colour. There is no need to select a lay-up option for Recon Veneer as there is an even grain across all sheets.

Forsyth Barr
Auckland



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Bestwood Natural Veneer

AMERICAN WHITE OAK

| Quarter Cut



Choosing the right cut

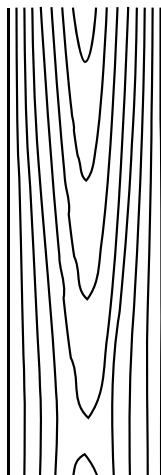


Choosing the right cut

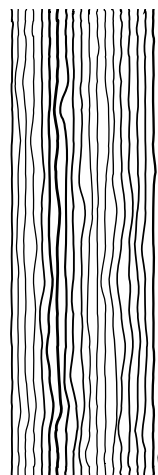
How the timber is cut from the tree dramatically impacts the finished appearance of the veneer sheet. There are four options to choose from:

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CROWN CUT



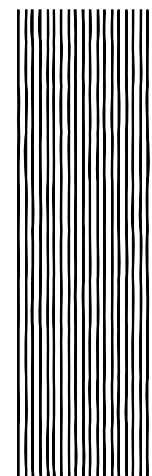
QUARTER CUT.



ROTARY CUT



RECUT

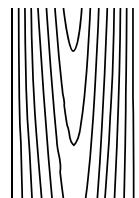




Crown Cut

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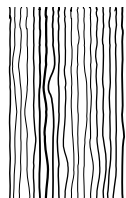
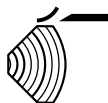
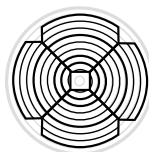
Flat sliced or crown
cut through the heart
of the log.





Quarter Cut

Straight-grained, cut
at right angles to the
growth rings.



Bestwood Natural Veneer

**AMERICAN
WHITE OAK**

| Quarter Cut



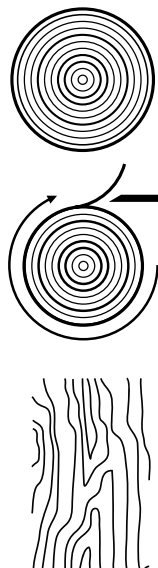
Designed by
Allfrey + South Architects

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Rotary Cut

The log is rotated around its axis and peeled off like a carpet roll.



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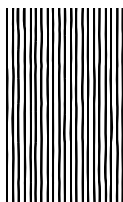
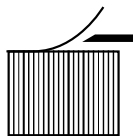
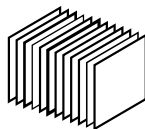
Bestwood Natural Veneer
**EUROPEAN
BIRCH**
| Rotary Cut





Recut & Recon

Pre-sliced veneer leaves are laminated together into an engineered log and sliced again.



Bestwood Recon Veneer

DUSTY MULE

| Quarter Cut



Detail by
Davinia

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Formatt Bespoke Joinery
Queenstown

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Bestwood Natural Veneer
ZEBRANO
| Quarter Cut



How to select the lay-up



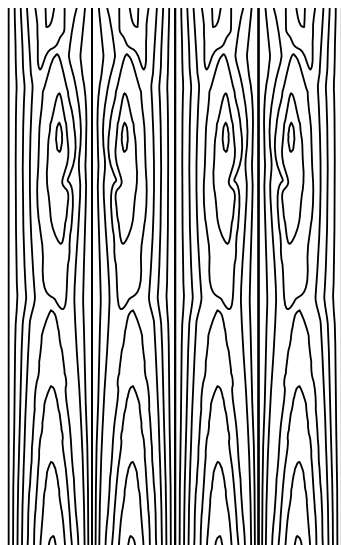
How to select the lay-up

Bestwood Veneer leaves can be joined to create different effects with the veneer grain. Bestwood Natural Veneer has three options to choose from – Book Matched, Slip Matched or Planked.

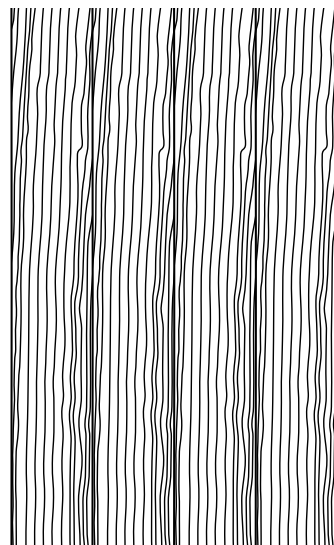
Lay-up options are set for Bestwood Recon Veneer as it's a re-engineered recut veneer.

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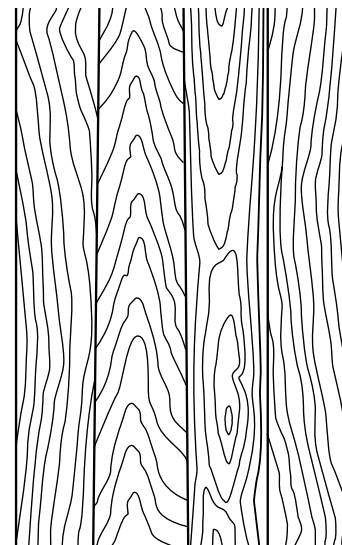
BOOK MATCHED



SLIP MATCHED



PLANKED

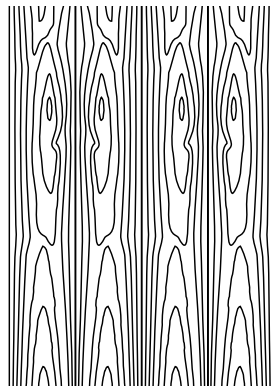




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Book Matched

This is the standard method where veneer leaves are joined to create a mirror-image pair. Each strip is a reflection of the previous one and is the most common lay-up option for both Crown and Quarter Cut veneer.

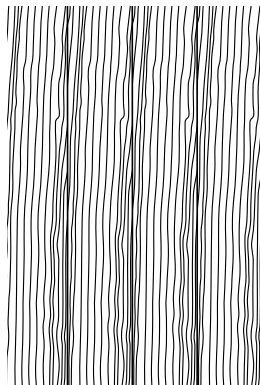




Slip Matched

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This technique is often chosen if the veneer will be stained. Slip matching reduces colour variation between adjacent veneer leaves. It is the predominant method for quarter cut veneers.

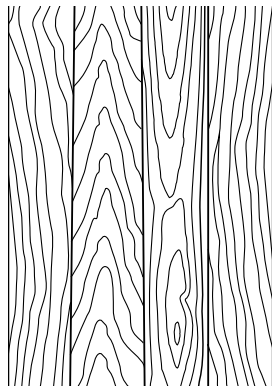




Planked

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Also known as random matched, or mismatched, Planked veneer leaves are joined together randomly using unmatched veneer to give the panel an appearance which emulates the look of solid timber.



Wackrows Joinery
Cambridge

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Bestwood Natural Veneer
NZ TAWA
| Crown Cut on Cupboards





Grade, Grain & Substrates



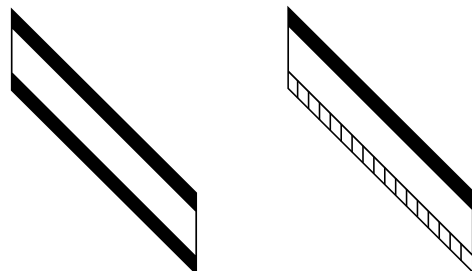
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Specifying the grade according to use

The choice of veneer grade will be determined by how much of the veneer will be seen. Veneer must always be used on the back of any veneer panel to avoid bowing or skewing which would occur if a different material was used.

- Face Grade 2 sides means there is premium hand-selected veneer on both sides.
- Face Grade 1 side, Back grade on the reverse will give you the same veneer species on both sides with the reverse side being less attractive in its grain and colour appearance.
- If the reverse won't be visible and cost is an issue, then Face Grade/Any Back will give a premium front but a veneer on the reverse that would likely be a different species.

PANEL GRADE



Face 2 sides or
1 Face 1 Back

1 Face any Back



Note – Back Grade is not available for Recon Veneer which is only supplied Face Grade 2 sides.

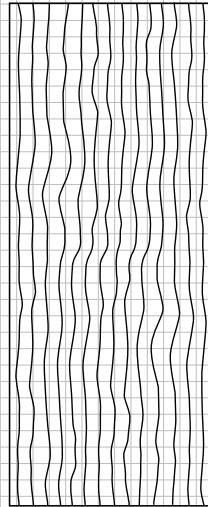


The importance of grain direction

A very simple decision but one which could have major implications on how many sheets of veneer are required to complete a project.

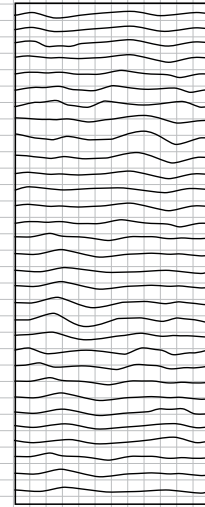
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GRAIN DIRECTION



Long grain

GRAIN DIRECTION



Cross grain



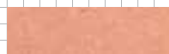
Substrates to use with veneer

Bestwood veneer leaves can be pressed onto a range of substrate options and thicknesses. It's a decision where the function and environment very much determine the choice of substrate and its thickness. Standard substrates include:

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MDF - This substrate is the most commonly used as it's suitable for most applications. A heavier weight than particleboard and low formaldehyde with an E0 rating. Also available in MDF MR (moisture-resistant).



MDF FR - This fire-resistant MDF panel has been developed specifically for commercial applications and meets NZ Building Code standards.



MDF FR BLACK - This black substrate looks stunning when the edge is exposed. Perforations or a pattern machined into the surface will reveal a negative detail, providing an instant shadow line.



BIRCH PLYWOOD - This is an attractive and strong plywood, popular for its stunning multi-ply edge, making it a great choice when an exposed edge is required.



MERANTI BS1088 PLYWOOD - This is a strong and durable marine-bonded plywood which is extremely moisture resistant, making it perfect for kitchens, bathrooms and laundries.



GABOON PLYWOOD - This is a tough, durable and super E0 certified plywood. With marine bonding and a covered exterior grade, it is perfect for high moisture areas such as kitchens, bathrooms and laundries.



FEATHER PLYWOOD - An economical and extremely lightweight plywood that is around half the weight of MDF. Ideal where you need portability for items such as mobile units, operable walls, caravans, ceiling linings, or when cost is an issue.

Please refer to the
Substrate Chart in
the Bestwood Veneer
section of our website
for details on panel
size and thickness.



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Environmental considerations

All our veneers are sustainably sourced and are pressed onto panels at New Zealand Panels Group's production facility in East Tamaki which opened in early 2017. The site buildings have a GreenStar 4* rating and the company works hard to minimise its environmental footprint.

GLOBALLY SOURCED VENEERS

All our veneers come from reputable global suppliers with independently verifiable sustainability accreditation. We have personally visited all our suppliers and are constantly reviewing their quality and delivery performance.

NEW ZEALAND VENEER

Bestwood takes great care to ensure that all our New Zealand native timber veneers such as rimu and tawa are sourced from areas that have current permits from the Ministry of Primary Industry for the provision of indigenous timbers. We have a timber specialist based in the South Island who identifies likely sources of salvaged or plantation native timbers and ensures that harvesting and cutting is done to meet all compliance standards.

ENVIRONMENTAL CHOICE NZ

Veneer from Bestwood carries Environmental Choice NZ accreditation, when pressed on MDF 9mm or more. This accreditation involves a detailed audit of our sustainability practices, including how we procure our veneers and substrates.





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Finishing & edging

All Bestwood veneer panels receive a light sanding before despatch but **MUST BE** sanded again before any coating is applied.

All Bestwood Veneer will need to be polished and coated after manufacture and failure to do so will void any warranty. Use of a non-yellowing coating system is recommended, and in high natural light situations the use of UV inhibitors within the coating system should also be considered. Always consult your coating supplier for their recommendation on a suitable coating system.

Edging is available for the top selling veneer species – please refer to the veneer section of the Bestwood website. These are supplied either glued or unglued – in a 1.9mm thick option where a solid look and panel protection is required vs 0.6mm for aesthetics only.

LIMITATIONS OF VENEER

Both the Bestwood Veneer ranges are made from genuine timber. Just as any timber product can change colour due to ultra violet light, Bestwood Veneer can also be affected. A change in colour or tone is therefore considered a natural characteristic, not a defect.

Bestwood Veneer is not suitable for use in exterior applications. In environments with prolonged exposure to direct sunlight, consideration should be given to sun blinds and protective UV film or glazing. Please discuss suitability of veneer in projects you're unsure about with a NZ Panels Group representative.

With the variations in colour and grain found in timber, each sheet is different thus your sample should be treated as indicative of that species. If your veneer project requires control, the team at NZ Panels Group will match to a control sample as close as nature will allow.

As noted previously, Bestwood Veneer must be sanded before being finished and polished by an experienced tradesman and using a reputable coating. Please seek advice from a coating supplier for their finishing recommendations.



Care & warranty

Bestwood is unable to provide care and maintenance recommendations for veneer due to the product requiring additional finishing that is added after production. Please seek the advice of your joiner or coating supplier.

WARRANTY

Bestwood Veneer panels are made in New Zealand with back-up for any issues close at hand. We offer a seven year warranty on our veneer – subject to normal use conditions. To view a full copy of the warranty, please download from our website at www.bestwood.co.nz.

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A stunning
solution
whichever
way you
look at it.



WHERE TO GET MORE HELP?

Design professionals, please contact one of our experienced architectural managers.

Details of our team are on the Bestwood website.

www.bestwood.co.nz

Joiners wanting technical assistance, please contact our Technical Manager.

Email: **technical@nzpanels.co.nz**
Or phone us at the number below.

Phone 0800 866 678
Email **sales@bestwood.co.nz**
www.bestwood.co.nz

