Laminex® Timber Veneer panels are an inspired choice. Rich in colour and character, they provide a sophisticated alternative to solid wood. Each veneer is meticulously selected, then carefully crafted to ensure the very best quality and consistency. Created to work in harmony with the Laminex Colour Palette, there is a texture, tone and grain for all your designs. Whether you’re creating joinery, high quality furniture, feature walls or kitchens, you can achieve a beautiful finish. So when your vision demands only the most luxurious surface solution, look to our most exceptional range: Laminex Timber Veneer panels.
A SUSTAINABLE DESIGN SOLUTION
Laminex® Timber Veneer panels are good for both you and the environment. To achieve the same beautiful look of solid timber, far less wood is required. This means fewer trees are needed to achieve your surface design and the impact on forests is reduced. In addition, you can be sure wherever MDF or particleboard substrates are used they're sourced from sustainable plantations in Australia and contain over 50% pre-consumer recycled content. All MDF substrate now also boasts an E0 rating, which means they contain just half the maximum acceptable formaldehyde level.

BACKED BY YEARS OF EXPERIENCE
The Laminex Group has been manufacturing and supplying timber veneer panels for over 20 years. Over this time we have been involved in numerous residential and commercial building projects of varying scope and size. Continuous development and refinement of our products ensures we always meet your design, building and manufacturing needs. Our products include componentry doors and edging solutions.

For more information about our products and services, please call 132 136.

VENEER SELECTION
Being a natural wood product, the environment may have a significant and variable effect on timber veneers. This means there is a range of considerations that may bear upon the choice of the most suitable veneer and finish for a particular location or environment. The Laminex Group recommends that you seek expert advice when deciding on the appropriate veneer and finish for particular conditions. In humid conditions, such as Northern Australia, The Laminex Group does not recommend the use of Tasmanian Oak, Victorian Ash and Blackbutt Natural Timber Veneers.
Table in Laminex Designed Timber Veneer Como Rigato.
Laminex® Natural Timber Veneer panels offer unique and exciting possibilities. Made from a stunning range of wood species, they bring your designs to life with depth and warmth for long lasting inspiration.
With subtle variations in panel colour, texture and grain, Laminex® Natural Timber Veneers provide an incomparably beautiful aesthetic. Embodying characteristics synonymous with natural timber, they help create a truly striking environment.

PRODUCT OPTIONS
This beautiful range is available in a comprehensive selection of timber veneers from across the world. Choose from beautiful Eucalypts, like Spotted Gum, Stringy Bark and Tasmanian Blackwood from Australia; stunning Oak, Maple, Cherry and Walnut from North America; Anegre and Sapele from Africa, as well as timbers like Beech and Pearwood from Europe. For a complete list of species options, please see the enclosed colour range or contact The Laminex Group branch nearest you.

ADVANTAGES
- Natural variances synonymous with real timber
- Distinctive colours, grains and patterns
- Sequence matched for a continuous pattern
- Can be coordinated with flooring and other interior applications
- Sourced from sustainable plantation timber forests

APPLICATIONS
- Commercial and residential interiors*
- Furniture and joinery
- Shop and restaurant fittings
- Reception areas and hotels
- Homeware accessories
- Feature walls and panelling
* Laminex Natural Timber Veneer panels are for interior applications only

COLOUR CONSISTENCY
Boards manufactured from the same log will create a consistent natural look and finish. For this reason, time is taken to match and number each panel. Please note that because each log differs in colour and grain, variations are normal and should be expected.

FINISHING
Laminex Natural Timber Veneer panels are supplied sanded, trimmed and unfinished. A cabinet maker will need to complete the polishing, allowing for customisation at the finishing phase. (Please ensure the polishing instructions provided by the polish supplier are strictly adhered to). In addition to polishing, it is recommended that all panels be finished with a non-yellowing UV inhibitor and 2pac polyurethane to protect the colour of the veneer.

SIZE, THICKNESS AND EDGING
Most Laminex Natural Timber Veneer panels come in lengths of up to 3 metres and can be made to order in both long grain and cross grain options. They can be made in various thicknesses from 4mm to 33mm, as well as unglued edge strips in 22mm and 40mm widths. Please refer to Technical Information for full specifications.

VENEER SELECTION
Being a natural wood product, the environment may have a significant and variable effect on timber veneers. This means there is a range of considerations that may bear upon the choice of the most suitable veneer and finish for a particular location or environment. The Laminex Group recommends that you seek expert advice when deciding on the appropriate veneer and finish for particular conditions. In humid conditions, such as Northern Australia, The Laminex Group does not recommend the use of Tasmanian Oak, Victorian Ash and Blackbutt Natural Timber Veneers.
NATURAL TIMBER VENEER PANELS

- Hoop Pine
- Radiata Pine
- American White Ash
- American Rock Maple
- Plantation Oak
- Tasmanian Ash
- Tasmanian Oak
- Blackbutt
- Steamed European Beech
- Marri
- American White Oak
- American White Oak
- Spotted Gum
- Queensland Blackwood
- Natural Feature Grade
- American Cherry
- American Cherry
- Anegre
- Rosegum
- Grey Ironbark
- Brushbox
- New Guinea Rosewood
- Sydney Bluegum
- Tasmanian Myrtle
- Karri
- Australian Red Cedar
- Redgum
- Sapele
- Jarrah
Wall in Laminex FSC® Certified Timber Veneer Tuscan Walnut. Table in Laminex Designed Timber Veneer Como Rigato.
Laminex® FSC® Certified Timber Veneer panels look as good as they feel. They boast the aesthetic sensibility of natural timber, while providing a uniquely sustainable solution. No matter what you’re designing, you can feel confident you’re doing the right thing by our forests and ultimately the environment.
Laminex® FSC® Certified Timber Veneer panels are created under the Forest Stewardship Council (FSC) Chain of Custody (CoC) system. FSC® is an internationally recognised body that certifies timber products produced in a sustainable manner. CoC is a stringent traceability system that verifies the path taken by certified raw material throughout all stages of processing, manufacturing and distribution.

When you use Laminex FSC® Certified Timber Veneers, as well as achieving the look of natural timber, your projects will accrue valuable points in the Green Building Council of Australia’s (GBCA) Green Star Rating system. For more information about this program, please visit www.fsc.org

* The GBCA stipulates that all touch points of the FSC® certified material, including manufacturers, distributors and resellers, must possess a Chain of Custody certificate to maintain the material’s FSC® certification. For more information please visit www.gbcaus.org

PRODUCT OPTIONS
Classic and Harmony ranges
Laminex FSC® Certified Timber Veneer panels are available in two exclusive ranges: Classic and Harmony. The Classic range of natural FSC® Certified Timber Veneers is a collection of veneers sourced from pure, mixed and controlled plantations. The Harmony collection is a range of pure, mixed and controlled natural veneers that are retoned to mirror contemporary design trends, creating a uniquely modern look.

ADVANTAGES
- Sourced from sustainable plantation forests with an FSC® CoC compliance
- Adds to valuable points in the GBCA Green Star rating system
- Possesses unique characteristics synonymous with natural timber
- Provides a choice of colours, hues and grain options
- Can be sequence matched for a continuous pattern

Green Star Office Interiors Compatibility
- IEQ - 11 Volatile Organic Compounds
- IEQ - 12 Formaldehyde Minimisation
- Mat - 7 Joinery
- Mat - 11 Sustainable Timber

APPLICATIONS
- Sustainable products
- Green Star rated projects
- Commercial and residential interiors*
- Furniture and joinery
- Shop and restaurant fittings
- Reception areas and hotels
- Homeware accessories
- Feature walls and panelling

* Laminex FSC® Certified Timber Veneer panels are for interior applications only

COLOUR CONSISTENCY
Laminex FSC® Certified Timber Veneer panels are produced using natural timber. This means absolute consistency in colour and grain between one log and another cannot be guaranteed. For this reason, a slight colour difference between sets of panels is normal and not considered a defect.
FINISHING
All our FSC® Certified Timber Veneer panels are supplied sanded, trimmed and unfinished. A cabinet maker will need to complete the polishing, allowing for customisation at the finishing phase. (Please ensure the polishing instructions provided by the polish supplier are strictly adhered to). In addition to polishing, it is recommended that all panels be finished with a non-yellowing UV inhibitor and 2pac polyurethane to protect the colour of the veneer.

SIZE, THICKNESS AND EDGING
Most FSC® panels come in lengths of up to 3 metres and can be made to order in both long grain and cross grain options. They are made in various thicknesses from 4mm to 33mm, as well as unglued edge strips in 22mm and 40mm widths. These edging options have been created to work with both the Harmony and Classic ranges. Veneers in the Harmony range are from pure, mixed and controlled FSC® Certified sources.

VENEER SELECTION
As the environment may have a significant and variable effect on timber veneers and other natural wood products, there is a range of considerations that may bear upon the choice of an appropriate veneer or coating for a particular location or environment. The Laminex Group recommends that you seek expert advice when deciding on the appropriate veneer and finish for particular conditions.

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<thead>
<tr>
<th>SERIES NAME</th>
<th>VENEER NAME</th>
<th>VENEER SPlicing SPECIFICATIONS</th>
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<tr>
<td>CLASSIC</td>
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<td>American Walnut</td>
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<td>American Oak</td>
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<td>Figured Sycamore</td>
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<td>Tuscan Walnut</td>
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<td>Venetian Walnut</td>
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</tbody>
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| LAMINEoX FSc® CErTiFiED VENEEr paNELS (19MM MR MDF)  |
| THIS TABLE SHOWs TYPICAL VALUES                  |
| AVERAGE SPECIFIC EXTINCTION AREA m²/kg | 51.7 |
| BCA CLASSIFICATION | Group 3 |
Wall in Laminex FSC® Timber Veneer Tuscan Walnut.
FSC® CERTIFIED TIMBER VENEER PANELS

CLASSIC RANGE

Figured Sycamore  C
American White Oak  C
Red Heart Gum  F/R
American Cherry  C
Santos Palisander  C

HARMONY RANGE

Organic Oak  R
Mocha Oak  R
Venetian Walnut  C
Tuscan Walnut  C
Domain Oak  R

Seasoned Oak  R
Ashen Oak  R
Sublime Wenge  F/R
Ebony Oak  R
Alluvial Oak  R

Charred Oak  R

LEGEND  C Crown Cut  F/R Quarter Cut  R Rift Cut
Laminex® Designed Timber Veneer panels are brimming with possibilities. They are engineered to provide a consistent, seamless look for beautifully coordinated and styled interior schemes.
Laminex® Designed Timber Veneer panels (made from reconstructed veneers) boast a smooth, even colour and grain thanks to the unique manufacturing process. Layers of peeled logs are carefully dyed, reformed and then re-cut to create matching leaves. The result is a brilliantly finished product that provides outstanding consistency and endless inspiration.

PRODUCT OPTIONS

Concepts range
The Concepts range offers a simple and affordable selection of interior colours that reflect the current design trends. Ideal for commercial furniture, shop fittings and other large volume applications, it boasts understated patterns and a consistent grain.

Premium range
The Premium range offers a high quality selection of colours, patterns and grains. Inspired by the look of contemporary natural timber, the veneers are carefully dyed to reflect the latest design trends. Ideal for high-end commercial and residential applications, as well as furniture, this range delivers extraordinary possibilities.

Australian Natural Wave range - NEW
A recent addition to the Premium range is the Australian Natural Wave range. Veneers in this range are made from the most stunning local timber species, including Spotted Gum, Blackwood and Rosegum, sourced from sustainable plantations across Australia. It provides a choice of seven beautiful colours, each with a natural yet subtle wave pattern, reflecting the beautiful tones of the Australian landscape.
Left to Right: Coffee Table in Laminex Designed Timber Veneer Raisin and Laminex Designed Timber Veneer Buff. Dining Table in Laminex Designed Timber Veneer Como Rigato. Coffee Table in Laminex Designed Timber Veneer Raisin and Laminex Designed Timber Veneer Buff.
ADVANTAGES
- Matching leaves for a continuous pattern
- Can be coordinated with interior fittings
- 27 distinctive colours, grains, patterns and textures
- Buff, Raisin and Livigno Crown colours are made from pure FSC® Certified sources with an FSC® CoC certification
- Selected colours are made using E0 glue, including Buff, Raisin, Barley, Como Rigato, Livigno Rigato, Flannel Oak, Random Ash, Savona Rigato and Wild Pecan
- Works beautifully with the Laminex Colour Palette and essastone range
- Sourced from plantation timbers

APPLICATIONS
- Commercial and residential interiors,* particularly projects that require a consistent pattern and colour
- Furniture and joinery
- Shop and restaurant fittings
- Reception areas and hotels
- Homeware accessories
- Feature walls and panelling
* Laminex Designed Timber Veneer panels are for interior applications only

COLOUR CONSISTENCY
While there can be minor variations, Designed Timber Veneer panels manufactured from the same block of dyed veneer will exhibit a consistent colour, pattern and look. This makes it easy for you to match them to other interior applications and spaces.

The new Australian Natural Wave range features a consistent pattern. However, as no dyes are used, natural colour variation can be expected and is not considered a defect.

Important note: White veins are a feature of the natural timber and may be visible during the manufacturing process, as well as in the final polished board. These veins are often more apparent in darker colours. They are a natural component of the timber species used in the production of Designed Timber Veneers, and as such, are not considered a defect.

FINISHING
All of our Designed Timber Veneer panels are supplied sanded, trimmed and unfinished. A cabinet maker will need to complete the polishing, allowing for customisation at the finishing phase. (Please ensure the polishing instructions provided by the polish supplier are strictly adhered to). In addition to polishing, it is recommended that all panels be finished with a non-yellowing UV inhibitor and 2pac polyurethane to protect the colour of the veneer.

SIZE, THICKNESS AND EDGING
Most Designed Timber Veneer panels come in lengths of up to 3 metres and are made to order in both cross grain and long grain options. They are also made to order in a variety of thicknesses. Matching unglued 0.6mm and ABS edging available in 50m lengths. For more information about our product options, please contact The Laminex Group branch nearest you.

VENEER SELECTION
As the environment may have a significant and variable effect on timber veneers and other natural wood products, there is a range of considerations that may bear upon the choice of an appropriate veneer or coating for a particular location or environment. The Laminex Group recommends that you seek expert advice when deciding on the appropriate veneer and finish for particular conditions.
Cube in Laminex Designed Timber Veneer Stain.
Coffee Table in Laminex Designed Timber Veneer Raisin and Laminex Designed Timber Veneer Buff.
DESIGNED TIMBER VENEER PANELS

CONCEPTS RANGE

Barley
Buff
Matchstick
Halcyon
Siam

PREMIUM RANGE

Chalked Oak
Biscotti Crown
Rosegum Wave
Tasmanian Oak Wave
Blackbutt Wave
Ironbark Wave
Blackbean Wave
Blackwood Wave
Spotted Gum Wave
Livigno Crown
Savona Rigato
Random Ash
Rimini Walnut
Wild Pecan
Weathered Boxwood
Chalked Slate
Allure Oak
Aveela Rigato
Camo Rigato

LEGEND
C Crown Cut
QF Quarter Cut
F Fineline
Laminex® Finished Designed Timber Veneer panels are reliably stylish. The perfect fit for demanding interior projects, you can achieve inspirational results with a minimum of fuss.
Laminex® Finished Designed Timber Veneer panels have the benefits of raw Designed Timber Veneers, but are pre-finished and textured. This means you don’t need to worry about polishing at the fabrication stage. You can save time and money, and feel confident about how the final product will appear.

PRODUCT OPTIONS
Laminex Finished Designed Timber Veneers are available in 13 colours, including seven from the new Australian Natural Wave range and six popular shades from Italy. The colour selection reflects modern design trends as well as beautiful tones from the Australian landscape.

ADVANTAGES
- Available in fashion colours and hues that blend beautifully with the Laminex Colour Palette and essastone range
- Matching panels for a continuous pattern
- Easily coordinated with interior fittings
- Ready for use, reducing labour, handling and finishing costs
- Covered with a protective, peel-off film for transportation and handling
- Stain resistant and more impact resistant than traditional veneers
- Sourced from sustainable plantation timbers
- Textured and pre-finished

APPLICATIONS
- Commercial and residential interiors*
- Furniture and joinery
- Shop and restaurant fittings
- Reception areas and hotels
- Homeware accessories
- Any interior project that demands a consistent pattern and colour

* Laminex Finished Designed Timber Veneer panels are for interior applications only

COLOUR CONSISTENCY
While there can be minor variations, panels manufactured from the same block of dyed veneer will possess a consistent colour, pattern and look. This makes it easy to match other interior applications and spaces.

As the Australian Natural Wave range is un-dyed, variations in colour can be expected and are not considered a defect.

Important note: White veins are a feature of the natural timber and may be visible during the manufacturing process, as well as in the final polished board. These veins are often more apparent in darker colours. They are a natural component of the timber species used in the production of Finished Designed Timber Veneers, and as such, are not considered a defect.

FINISHING
Laminex Finished Designed Timber Veneer panels do not require polishing.

SIZE, THICKNESS AND EDGING
Laminex Finished Designed Timber Veneer panels are available in 2400mm lengths and panels can be made in both long grain and cross grain options. They are usually pressed onto 16mm single sided white MDF. Matching unglued edging is available. For more information about our product options, please contact The Laminex Group branch nearest you.
Wall, desk and shelving in Laminex Finished Designed Timber Veneer Allure Oak.
Desk in Laminex Finished Designed Timber Veneer Allure Oak.
TIMBER VENEER PANELS

SUBSTRATE OPTIONS
Medium Density Fibreboard (MDF)
Timber Veneer panels on Standard E0 MDF are stocked in 17mm finished thickness in a selected range of timbers. In addition, panels in a range of thicknesses and lengths, as well as high moisture resistant MDF, can be made to order. This may vary by location so please ask your local branch for stocked items.

Particleboard
Timber Veneer panels are available in Standard and Moisture Resistant (MR) Particleboard ranging from 9mm to 33mm in thickness. Stock is kept in a selected range of timbers and thicknesses, so please check with your local branch for available veneers and made to order options.

Plywood
Timber Veneer panels can be made to order on plywood in a variety of thicknesses.

BOARD SIZES
The standard Timber Veneer board size is 2440mm x 1220mm. Sizes available on request include 2700mm x 1200mm and 3000mm x 1200mm. The maximum length available is 3000mm and the maximum width is 1200mm. Some veneer timbers have a limited length of 2500mm.

LEAD TIME
Where customer requirements are not available ex-stock, our normal lead time is up to 12 working days from date of order.

BACKING
Timber Veneer panels are produced with three backing options.

DGB – Down Grade Back
The veneer on the back of the board is the same species, only it is of ‘B’ grade or a lesser quality than the face. The reason for this is that the back quality does not need to be the same as the face.

G2S – Good Two Sides
Both sides of the panel are highly visible and face quality is pressed on both sides of the panel.

BAMO - Back at Manufacturers Option
The backing timber can be any quality nominated by The Laminex Group.

VENeer MANUFACTURING
Depending on the species, Timber Veneer panels held in inventory are either Book Matched or Slip Matched. Laminex Timber Veneer panels can be made to order in Slip Matched, Reverse Matched or Random Matched techniques. Please ask your local branch about our timber options and lead times.

VENeer BOND
The adhesive used to bond the veneer to the substrate for Timber Veneer panels is a cross linked PVA manufactured to comply with the bond strength requirements of AS/NZS 4266.32 and with the bond durability requirements of AS/NZS 4266.33 according to the substrate specified.

TIMBER Veneer EDGE STRIP
- Unglued Timber Veneer edging is available in 50m rolls of 0.6mm thickness for each of the core Natural Timber Veneer panels and 50m rolls for the 27 Designed Timber Veneer panels and FSC® Certified Timber Veneer colours.
- Pre-finished edging is available in 50m rolls for each of the 13 Finished Designed Timber Veneer panels.
Cabinetry and bench in Laminex FSC® Certified Timber Veneer Alluvial Oak.
CROWN CUT
Crown cut veneer is produced by slicing through the log. This creates an emphasis on the crown pattern and provides a more decorative veneer. In addition, leaves are usually wider and a full panel will display the entire length of the log’s crown pattern. Most Laminex Natural Timber Veneers and selected Laminex Designed Timber Veneers, are available in a crown cut pattern.

FINELINE
The fine grain of Fineline, seen in the Laminex Designed Timber Veneers Concepts range, has been created to give a delicate, modest pattern. This ensures the colour of the veneer is highlighted.

FINELINEWAVE
The exclusive Australian Natural Wave range of Laminex Designed Timber Veneers is available in a selection of colours that have a delicate wave pattern across the width of the veneer.

QUARTER CUT/RIGATO
Quarter cut veneers are produced by cutting at right angles to the log’s growth rings. This creates a straight grain effect and a more subtly patterned timber panel. Some Laminex Natural Timber Veneers are available in a quarter cut grain. Selected Designed Timber Veneers have been developed exclusively for Laminex and are also available in a rigato or quarter cut pattern.
SPECIFYING LAMINEX® TIMBER VENEER PANELS

VENEER GRAIN
In Australia it is normal practice to specify the dimensions of veneered panels ‘length by width by thickness’. The first nominated dimension specifies the direction in which the veneer grain runs. For example, 2400 x 1200 means the veneer length is 2400mm long. This is referred to as a long grain veneer board. In contrast, nominating 1200 x 2400 indicates that the length of the veneer is 1200mm. This is referred to as a cross grain, meaning the length of the panel (in the grain direction) is less than the width of the panel. Laminex Timber Veneer panels are always made long grain. Cross grain panels can be made to order. Please contact your nearest Laminex outlet for more information.

WHEN SPECIFYING
Material shall be any Laminex Timber Veneer on either MDF, Particleboard or Plywood substrate with a nominal thickness given in millimetres.

PROJECT SUPPLY AND SPECIFICATION
When using Laminex Timber Veneers, great care and attention should be paid at the specification and production stages. Veneers cannot be specified in the same manner as laminates and other synthetic surface materials because colours and grain patterns vary from tree to tree or product within each range. With this understanding, suppliers should:

- Ensure colour specifications are based on a range of colour samples, not just one sample. For example, veneer should be identified by sample numbers 123 to 125, a range of three samples. That is, one for the specifier, one for The Laminex Group and one for the contractor.
- Ensure the specifier understands the various matching techniques, in particular those needed for the veneer chosen and the end use application.
- Ensure there is sufficient veneer available to complete the order.

Important note: Veneers for large projects can take considerable time to accumulate in quantity. For this reason, it is important to keep The Laminex Group fully informed of future project plans.

NATURAL TIMBER VENEER CUTS
Quarter Cut
The quarter log is mounted on the guide plate so that the growth rings of the log are cut perpendicular, producing a straight grain veneer.

Crown Cut
The half log is mounted with the heart side flat against the guide plate of the slicer. The slicing is then done parallel to a line through the centre of the log. This produces a variegated or crown feature.

Rotary Peeling
The log is mounted centrally in the lathe and turned against a razor sharp blade. This method looks similar to unwinding a roll of paper. Since the cut follows the log’s annual growth rings, a bold, variegated grain marking is produced. Rotary peeled veneer is exceptionally wide.

VENEER SELECTION
Being a natural wood product, the environment may have a significant and variable effect on timber veneers. This means there is a range of considerations that may bear upon the choice of the most suitable veneer and finish for a particular location or environment. The Laminex Group recommends that you seek expert advice when deciding on the appropriate veneer and finish for particular conditions. In humid conditions, such as Northern Australia, The Laminex Group does not recommend the use of Tasmanian Oak, Victorian Ash and Blackbutt Natural Timber Veneers.
SPECIFYING LAMINEX TIMBER VENEERS

Panels shall be specified Laminex, with the following details:

Species
Name or colour of veneer

Cut
Crown or Quarter

Substrate
MDF, Particleboard or Plywood

Thickness
MDF: 3mm, 4mm, 5mm, 12mm, 16mm, 19mm, 25mm and 32mm
Particleboard: 9mm, 12mm, 16mm, 18mm, 25mm
Plywood: 1.5mm to 32mm

Backing
DGB, G2S or BAMO
GENERAL RECOMMENDATIONS
An important stage in the manufacture of veneered products is the finishing process. It is usually undertaken by furniture or joinery companies or by a polishing specialist. The finishing of veneered panels should be done with special care in order to eliminate any problems that may impact product quality and performance.

INSPECTION AND PREPARATION
The most critical aspect of panel preparation is the control of moisture content. High moisture content is difficult to detect visually (unless it has progressed to ‘puffiness’) so prevention is the key. Do not leave boards exposed to wet or humid conditions. Particleboard and MDF both pick up moisture from the air, making it essential to store them in a cool, dry place. Ensure that boards are prepared and stored in a well ventilated area away from sources of heat, humidity, flames or sparks. Veneered boards should be sanded smooth. Care should be taken to round sharp edges because finishes (especially viscous liquids) tend to draw away from sharp edges and compromise the seal.

A well lit workplace is essential to ensure that every panel is finished free from marks and indentations. After sanding, ensure that the board is clean. Dust and grit will adversely affect the finish and care should be taken to remove loose particles before installation. Oil, wax and other contaminants must also be removed before a lacquer is applied. If necessary, use a grease remover. An appropriate facemask should always be used when spray painting to prevent spray mist from entering the lungs.

COATING METHODS
Treatments vary markedly with desired finishes and products and it is important to follow your selected manufacturer’s instructions carefully. Short cuts can cause problems that might take weeks or months to show up. It is recommended that the products and methods used be recorded for each job. This will provide useful information on the possible cause of problems if they arise. Environmental fluctuations in temperature and humidity can affect the finish. Finishes should be applied in controlled environmental conditions; out of draughts and away from dust, moisture and other contaminants. The back or reverse side of all panels should be sealed to slow and equalise the ingress of moisture. Panels not sealed this way may bow or cup.

Important note: Due to the porosity of the cut edge of the surface veneer layer, it is imperative that this exposed grain is fully sealed to eliminate the ingress of moisture. It is recommended that particular attention be paid to the fine sanding (240 grit or finer) of all veneer edges and that the surface coating thickness is adequate to resist moisture ingress. Make sure you use the manufacturer’s application specifications.

It is recommended that the chosen coating system be applied to a raw veneer sample to establish actual resultant colour. Many factors such as choice of sealant, catalyst and UV inhibitor can influence the colouration of the finished product. Remember to follow instructions regarding drying time.
SELECTION OF COATING

A high quality lacquer will help you achieve a high quality result. Low quality finishes usually have a lower solids content and take more coats to achieve the same finish. You also need to consider the grain of the veneer — open grained veneers may require filling (especially if a gloss finish is desired) or a more flexible lacquer. The use of ‘thin wet’ coats with the addition of solvent can be helpful.

**Important note:** For sealing and finishing always follow the guidelines supplied by the sealant or coating manufacturer.

Some varieties of timbers (and veneers) have phenols, tannins and other chemicals present in their cell structure. These species are best sealed with a specially formulated ‘isolator’ coating. This will provide a barrier to stop the chemicals in the wood reacting with the chemicals in the top coat. Polish manufacturers can provide advice about the most suitable coating system for a particular species. It may be necessary or possible to use two or more coating systems on a single piece of furniture. For example, a dresser or sideboard may need a very durable horizontal surface but less durable vertical surfaces. Oil type finishes, generally known as ‘Scandinavian Oils’ should be applied over a quality sealer or lacquer. Application of oil type finishes directly to veneered surfaces may adversely affect the bond of the veneer to the substrate and/or the surface appearance.

**Important note:** Under no circumstances should 2pac products be applied over single pack coatings.

PRECAUTIONS WITH FINISHING

Natural Timber Veneer panels

It is recommended that 2pac polyurethanes are used to seal and finish all Natural Timber Veneer panel species. There are several reasons for this:

- Although the yellowing of timber is often considered to add to the mellowness of wood, the effects of acids on cherry, huon pine and some cedars can be detrimental.
- Acids from tannins, adhesives or acid catalysts can unpredictably stain beech a very bright orange to deep red colour.
- Defects in finishes can also be a result of blooming, which is caused by moisture being trapped under the coating and forming a milky haze. A process known as wicking can occur where water rises up through the timber (even veneer) but cannot evaporate because the surface is sealed.
- Some timbers, particularly beech, are ultra sensitive to water exposure. This can lead to coatings ‘delaminating’ or peeling off.

Polyurethanes offer the greatest resistance to leaching tannins, dyes or moisture from veneers. We recommend a 2pac polyurethane sealer coat on the veneer, rather than less flexible coatings. On beech timbers, a 2pac polyurethane top coat is also preferred. Nitrocellulose and pre-catalysed lacquers simply will not stand up to the moisture exposure, especially where sharp edges are involved. Tests have shown that some single pack lacquers will begin to break down in under 24 hours.


PRECAUTIONS WITH NATURAL VARIATIONS

The Laminex Group reserves the right to change any specifications at any time without notice. Veneers come from natural timber and may vary in colour, grain, texture and pattern. Any sample product or sample colour is provided as an indication only to the general nature of the product. Visit laminex.com.au for full Terms and Conditions. The Laminex Group shall not be liable for any failure of the Customer or others to blend the products. If your work requires very specific selection, we recommend you inspect and select from our inventory.
TECHNICAL INFORMATION

EXPOSURE TO WATER AND SUNLIGHT
Laminex® Timber Veneer panels contain natural timber. This means they will react to various environmental conditions, such as direct and indirect light, as well as heat and humidity. A change in surface colour and appearance, over time, is therefore considered normal and not a defect. However, we do recommend that all timber veneers be used within closed buildings where they will not be exposed to sunlight and moisture. Water will stain veneers if allowed to ‘pool’ on the surface.

STORAGE
Australian Standard AS/NZS1859.3:1996 requires that:

- Laminex Timber Veneers must be protected from wind and sunlight and covered with a sheet or non-transparent plastic, preferably dark, in order to assure stability. Open sided sheds should not be regarded as dry stores.
- All packs should be evenly supported at each end and at intervals of not more than 600mm. Where packs are multiple stacked, all supports should be vertically aligned.
- The stack should be kept dry and clear of the ground, and be placed so that it will not be exposed to mechanical damage.
- Where packs are supported on bearers manufactured from decorative overlaid wood panels, care should be taken to ensure that surface water does not make contact with the bearers. Added care can be taken by supporting each bearer on natural timber packing (or other impervious material). The minimum thickness of packing should be 38mm.
- To avoid staining and fading, the sheets should not be exposed to the weather while awaiting installation.
- Keep the surface free of contaminants such as dust, oil and adhesives that will affect surface finishes.

- Sheets should be installed in accordance with the manufacturer’s instructions.

Important note: Laminex Finished Designed Timber Veneer panels can be handled, stocked and worked as a traditional HPL (High Pressure Laminate) or wood panel with a melamine overlay.

HANDLING
Use clean hands or wear clean gloves when handling Timber Veneer panels to keep dirt out of the raw veneer on either side of the board. Two people should handle the boards to avoid damage to the soft veneer in its raw state. Timber Veneer panels should be lifted carefully from the pack, because they can be damaged by sliding or dragging over the next sheet.

WAREHOUSING
Unlike other decorative product brands by The Laminex Group, Timber Veneer layons and panels are held in inventory in their raw state. Top sheets of all packs and single sheets are supplied with a cover board, which covers the entire face area at all times. This keeps dust out of the grain and prevents light discolouring the veneer.

ORDER PICKING
Customers generally want their order for a specific job. Because there can be natural timber variation in terms of colour and grain structure, with Natural Timber Veneer boards it is recommended that warehousing staff review the sheets in order to ensure compatibility.

FABRICATION
No particular equipment or accessories are required for the cutting and gluing operations. However a PVA adhesive is recommended for a stronger adhesion. This will ensure a reduction in dimensional movement due to temperature and humidity variations. Always follow the adhesive manufacturer’s instructions. Before application, it is essential to condition the laminate or panel and its support in the same place for at least 24 hours.

PROTECTIVE FILM
The peel off plastic film on Finished Designed Timber Veneer panels is ideally removed after onsite installation. Once the film is removed the acrylic polyurethane coating will take up to seven days to cure.
IMPORTANT INFORMATION FOR FINISHED DESIGNED TIMBER VENEER PANELS

CARE AND MAINTENANCE
Laminex Timber Veneer panels are easy to clean. Simply use a damp cloth and non-abrasive cleaning products. To remove more stubborn stains, alcohol, ammonia or other light solvents are recommended. Never use acetone or trichloroethylene on the polyurethane surfaces. You should also avoid all abrasive materials, including harsh cleaners, powders, scouring pads or sandpaper. These can damage the finish and make the surface susceptible to staining. Similarly, silicone based cleaning products should always be avoided.

TOUCH UP AND REPAIR
Where minor scratches appear on the Laminex Finished Designed Timber Veneer Panels surface, use a soft clean cloth and a non-silicone based furniture polish to disguise blemishes. For deeper scratches, use a colour-matched fill or wax putty sticks. For detailed care and maintenance instructions visit laminex.com.au

<table>
<thead>
<tr>
<th>TECHNiCaL propErTiES – FiNiSHED DESigNED TimbEr VENEEr LamiNaTE</th>
<th>Wax and Sandblasted Finish</th>
<th>Gloss Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOMINAL THICKNESS</td>
<td>1.0 mm</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>SHEET SIZE</td>
<td>2440 x 1220 mm</td>
<td>2440 x 1220 mm</td>
</tr>
<tr>
<td>NOMINAL WEIGHT PER M²</td>
<td>1.2 kg</td>
<td>1.2 kg</td>
</tr>
<tr>
<td>DIMENSIONAL STABILITY AT 20°C</td>
<td>0.4% 1.2%</td>
<td>0.4% 1.2%</td>
</tr>
<tr>
<td>RESISTANCE TO SURFACE WEAR (AS/NZS 2924:1998)</td>
<td>&gt;1150 cycles</td>
<td>&gt;1150 cycles</td>
</tr>
<tr>
<td>RESISTANCE TO STAINING (AS/NZS 2924:1998)</td>
<td>Reagents Group 1 to 4 = no visible change</td>
<td>Reagents Group 1 to 4 = no visible change</td>
</tr>
<tr>
<td>COLOUR FASTNESS TO ARTIFICIAL LIGHT: XENON ARC FADING LAMP  (ISO 105-B02)</td>
<td>&lt; 3 (Blue wool 6)</td>
<td>&lt; 3 (Blue wool 6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FIRE propErTiES – CONE CaLORIMETEr TEST (FINISHED DESIGNED TIMBER VENEEr MDF PANEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVERAGE HEAT RELEASE RATE kW/m²</td>
</tr>
<tr>
<td>AVERAGE SPECIFIC EXTINCTION AREA m²/kg</td>
</tr>
<tr>
<td>BCA CLASSIFICATION</td>
</tr>
</tbody>
</table>
HEALTH AND SAFETY

MATERIAL SAFETY DATA SHEET
A Material Safety Data Sheet on Timber Veneers is available from The Laminex Group. You can obtain a copy through a representative of The Laminex Group. Simply phone 132 136 or visit laminex.com.au

DUST HAZARDS
When boards are cut, drilled or sanded, dust is generated. Dust and splinters may cause irritation of the nose and throat, eyes and skin. Some woods may also be sensitisers, and some people may develop allergic dermatitis or asthma. Inhalation of wood dust, both hardwood and softwood, may increase the risk of nasal and paranasal sinus cancers. All work with these boards should be carried out in such a way as to minimise the generation of dust, gas and vapours. Under factory conditions and processes such as sawing, drilling and sanding should be done using equipment fitted with exhaust devices capable of removing dust, gas and vapour at the source. Hand power tools should be used in well-ventilated areas to avoid the spread of dust, gas and vapour. Storage and work areas should be well ventilated. Work areas should be cleaned at least daily, and dust removed by vacuum cleaning or a wet sweeping method.

SKIN PROTECTION
Wear loose, comfortable clothing. Long sleeved shirts and trousers are recommended to prevent skin irritation. After handling boards, wash skin with mild soap and water. Do not scratch or rub the skin if it becomes irritated. Wash work clothes regularly and separately from other clothes. Comfortable work gloves should be worn. (AS 2161)

RESPIRATORY PROTECTION
A class P1 or P2 replaceable filter or disposable face piece respirator should be worn when sawing, drilling or sanding, etc. Respirators should comply with AS 1716, and be selected, used and maintained in accordance with AS 1715.

EYE PROTECTION
Safety glasses or non-fogging goggles (AS 1337) should be worn when sawing, drilling or sanding, etc.

STORAGE AND TRANSPORT
The boards should be stored in well-ventilated areas away from sources of heat, flame or sparks.

SPILLAGE AND DISPOSAL
Offcuts and general waste material should be placed in containers and disposed of at approved landfill sites or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines. Do not burn in barbeques, combustion stoves or open fires in the home as irritating gases are emitted.

LIMITED WARRANTY
All Laminex Timber Veneer panels are covered by a 7 Year Limited Warranty* subject to following all necessary storage, handling and installation guidelines. This does not include the finishing or polishing of these panels, which is the responsibility of the fabricator in following the guidelines of the selected sealant manufacturer’s finishing or polishing products.

* Please obtain a copy of the Laminex Timber Veneer panels 7 Year Limited Warranty from The Laminex Group or visit laminex.com.au

Right: Box (foreground) in Laminex Designed Timber Veneer Weathered Boxwood. Box (background) in Laminex Designed Timber Veneer Livigno Rigato.
For a free sample call 1800 002 204. For more information visit laminex.com.au or call 132 136.

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