

Laminex®

DESIGNED TIMBER VENEERS

Raw & Finished



as individual as you







Previous Page: Entertainment unit and stools: Laminex Finished Designed Timber Veneers – **Urbane Teak** in Sandblasted finish. Table: Laminex Finished Designed Timber Veneers – **Tribal Macassar** in Gloss finish. Benchtop: Laminex Freestyle Surfaces in ArcticWhite. Rangehood & Kickers: Laminex Mineral finish **Copper Lustre**. FeatureWall: LaminexVizage Vertical Surfaces™ **Black Ripple**. The tall horizontal grain panels in this setting have been constructed using veneer laminate sheets laid one above the other on an MDF substrate.

Raw DESIGNED TIMBER VENEERS

Laminex Raw Designed Timber Veneers are a multilaminar veneer. Layers of wood are peeled from logs, colour enhanced, reformed to a solid block, moulded and finally resliced. This process eliminates imperfections and irregularities of the natural material to deliver a unique range of wood types and designs with a consistent grain and colour. In this way we can all enjoy the natural warmth and beauty of wood while caring for our environment.

Product Options

There are 12 designs in the range available in the following options:

- MDF

Timber Veneer on Standard MDF is stocked in 19mm finished thickness in some species.

- Edging 0.55m thick
 - 22mm wide unglued for all species.

Board Sizes

The standard board size is 2400 x 1200mm. Other sizes are available on request.

Advantages

Laminex Raw Designed Timber Veneer deliver the following advantages:

- Colour and grain consistency
- All Laminex Raw Designed Timber Veneers are manufactured with wood derived from plantations or forests that are managed to guarantee a natural balance between felled and re-grown trees
- Wider range of colours and grain than Natural Timber Veneers.

Finished DESIGNED TIMBER VENEERS

Laminex Finished Designed Timber Veneer is a multilaminar wood veneer pre-finished with a polyurethane coating and protected on the surface by a peel off plastic sheet. The backing consists of phenolic kraft papers bonded under high pressure. It unites the beauty of real wood with the practicality of a high pressure laminate. The result is a timber veneer already finished and ready for use delivering consistent high performance finishes, at the same time reducing labour, handling and finishing costs.

Each timber veneer has a specifically designed surface finish ranging from textured and tactile effects to a deep gloss that enhances the beauty of the veneer.

Product Options

There are 12 designs in the range available in the following options:

- Laminated Veneer sheets (1mm thick)
 - Sheet size is 2440mm x 1220mm
- Pre-laminated MDF Panels (19mm finished thickness)
 - MDF MR panels size is 2400mm x 1200mm (veneer on front face and white laminate on back).
- Edging 0.55mm thick
 - 22mm wide unglued edging is available for all species in a matching finish.

Advantages

Laminex Finished Designed Timber Veneer delivers the following advantages:

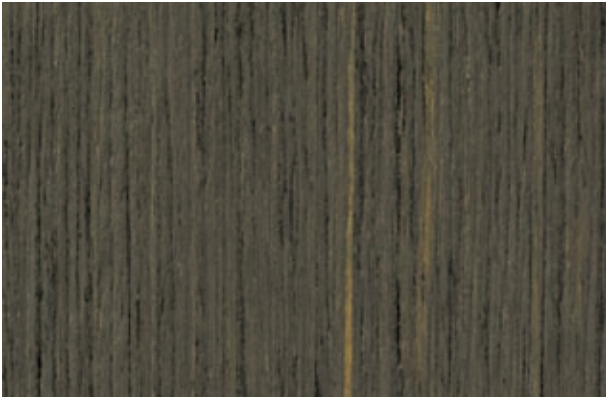
- Colour and grain consistency.
- The surface is pre-finished and ready for use reducing labour, handling and finishing costs.
- The surface is protected with a peel off film for protection during transport and application.
- The polyurethane coating provides excellent stain resistance
- The phenolic backing provides greater impact resistance than traditional veneers
- All Laminex Finished Designed Timber Veneers are manufactured with wood derived from plantations or sustainably managed forests.



Limited Warranty

Laminex Raw & Finished Designed Timber Veneer, panels are covered by a 7 Year Limited Warranty. Please obtain a copy of the Limited Warranty from The Laminex Group or visit www.laminex.com.au if in Australia, or visit www.thelaminexgroup.co.nz if in New Zealand.

Raw & Finished **DESIGNED TIMBER VENEERS** *decors*



Allure Oak Sandblasted or Raw Finish



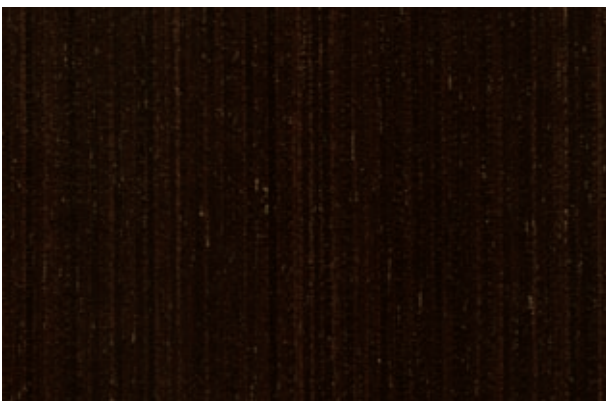
Brandy Santos Gloss or Raw Finish



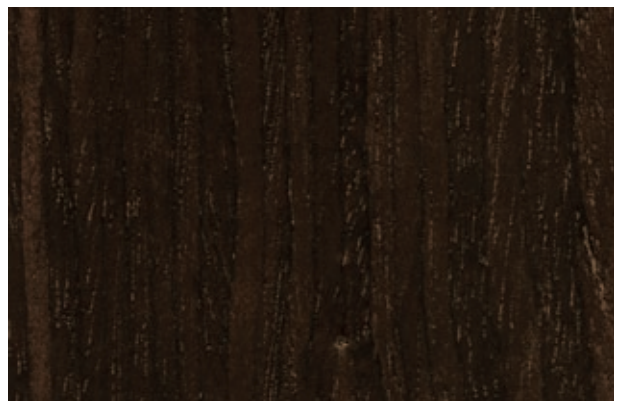
Tribal Macassar Gloss or Raw Finish



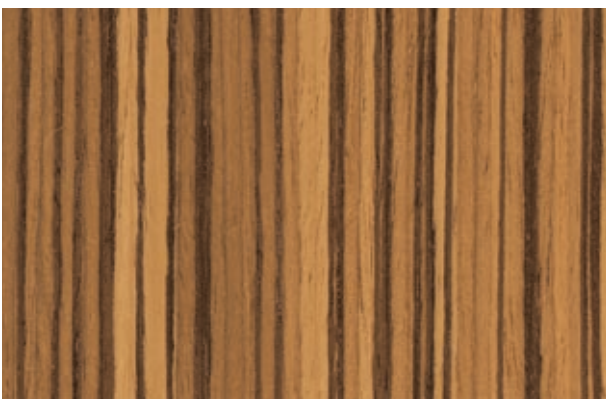
Perugia Rigato Wax or Raw Finish



Volterra Rigato Gloss or Raw Finish



Luxe Ebony Sandblasted or Raw Finish



Giallo Zebrano Sandblasted or Raw Finish



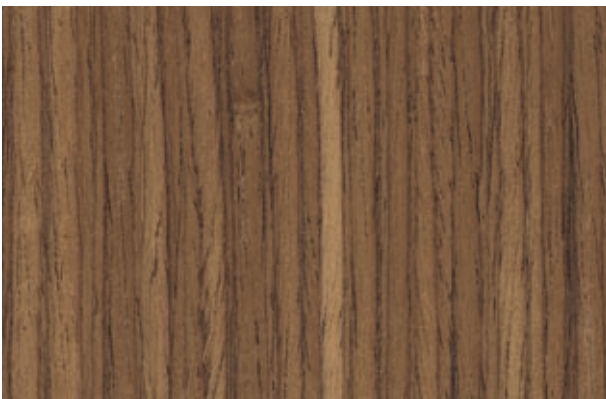
Chalked Oak Sandblasted or Raw Finish



Urbane Teak Sandblasted or Raw Finish



Firenze Rigato Sandblasted or Raw Finish



Sublime Walnut Sandblasted or Raw Finish



Sandalwood Sandblasted or Raw Finish

Available as

Veneer Option	Cut	1.0 mm Veneer Laminate	19mm Finished MR MDF Veneer Laminate Panel(1)	0.6mm Finished & Unfinished Edging. 50 metre rolls
Allure Oak	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Brandy Santos	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Giallo Zebrano	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Chalked Oak	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Tribal Macassar	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Perugia Rigato	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Urbane Teak	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Firenze Rigato	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Volterra Rigato	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Luxe Ebony	Crown Cut	2440 x 1220mm	2440 x 1220mm	22mm
Sublime Walnut	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm
Sandalwood	Quarter Cut	2440 x 1220mm	2440 x 1220mm	22mm

Note: Alternative thickness MR MDF substrate and specifications available on request.

Raw DESIGNED TIMBER VENEERS

Environmental Considerations

Laminex Raw Designed Timber Veneers are manufactured in Europe from wood sourced from either plantation poplars or timbers from forests practicing sustained yield management programs. The supply of Raw Designed Timber Veneer leaf conforms with worlds best environmental practice. SGS ICS verifies that the poplar originates from Italian plantations.

Manufacturing Process – Raw Designed Timber Veneers

Peeling

Logs of wood are peeled into thin sheets and cut to size for further processing.

Dyeing

Layers of wood are then colour enhanced in water soluble dye solutions.

Drying

The dyed veneer sheets are then dried in a hot air dryer process and quality checked.

Composition & Glueing

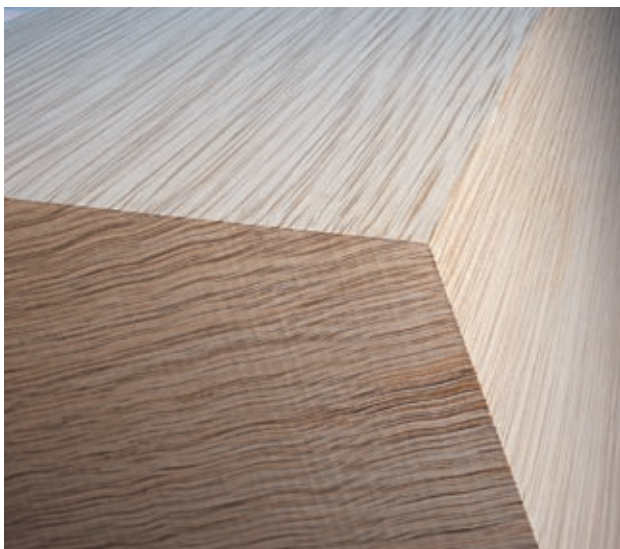
According to the design the dyed veneers are mixed, superimposed with the same fibre direction and piled up for pressing. A pack of veneer sheets are then glued together to create a single wooden block using glues to create the required pattern.

Pressing

The block of glued sheets is put into a flat press or press with particular moulds according to the design to be obtained. The particular moulds determine the crown or burl designs while the quarter cut designs are created with a flat press and final slicing angles.

Final Slicing

The block is then trimmed and sliced to create the final multilaminar or 'Raw Designed Timber Veneer'.



Sanding Raw Timber Veneers

Only light sanding should be necessary to remove surface marks. All Timber Veneer panels must be sanded prior to lacquering to remove all dirt and marks.

Exposure to Ultra Violet Light and Water

As little as an hour's exposure to sunlight can change the colour of Timber Veneer, making the exposed sheet different to the rest of the pack/order. This is why Laminex Raw Designed Timber Veneer orders are supplied with a cover sheet. Water will stain face veneers and we recommend that all Raw Designed Timber Veneers be stored in a place where they will not be exposed to sun or moisture.

GUIDELINES FOR COATING SELECTION

Generic Type	Properties	Typical Application Area
Nitrocellulose	Simple, easy to use Fast drying Economical	General lounge and bedroom furniture Furniture restoration Wall panelling Casket manufacture
Pre-catalysed	Improved mark and scuff resistance Fast drying Medium water and solvent resistance	Dining room tables Wall panelling Office furniture
Acid catalysed	High build Superior mark and Scuff resistance	Dining and office furniture Utility furniture High use areas
Polyurethane	Excellent chemical solvent and water resistance High build and doors Excellent mark and scuff resistance	Vanity units Kitchen cupboards Kitchen units Laboratory, hotel and office fittings & furniture Bars and restaurants

Note: The Laminex Group strongly recommends the use of an appropriate Ultra Violet light inhibitor as part of the finishing process.

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 is 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 using the manufacturer's application specifications.

It is recommended that the chosen coating system should 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. This is the responsibility of the fabricator to understand the effect of the finishing system selected.

Storage & Handling

Australian Standards

Australian Standard AS/NZS 1859.3 requires that:

- The storage area should be protected from sun, rain and wind to minimise rapid changes in temperature and humidity. 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.
- Should it be necessary to store them in the open, decorative overlaid wood panels should be covered with a waterproof sheet. They should be supported on battens laid on top of the pack, to allow air to circulate around and over the pack. The cover sheet should protect both sides and ends to floor level and be tied to prevent lifting.
- 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 38.0mm.
- 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.
- Use clean hands or wear clean gloves when handling Timber Veneer in order to keep dirt out of the raw veneer on either side of the board. Designed Timber Veneer panels should be lifted carefully off the pack, because they can be damaged by sliding or dragging over the next sheet.



Finished DESIGNED TIMBER VENEERS

Applications

Laminex Finished Designed Timber Veneer is suitable for both commercial and residential interior applications and for use on vertical and light use horizontal applications. It can be used to make tables, furniture and general joinery. It is not recommended for high wear applications such as kitchen benchtops.

Colour Consistency

As with traditional veneers, it is not possible to guarantee an absolute consistency in colour of Laminex Finished Designed Timber Veneers between one batch and another. Therefore, a slight colour difference between two sets of laminates or panels cannot be considered a defect.

Exposure to Water & Sunlight

Veneer products, including Laminex Finished Designed Timber Veneers, being partially comprised of natural timbers will react to direct and indirect light. Therefore, a change of the surface colour

and appearance over time is a natural characteristic, not a defect. Additionally, heat and humidity will interact with light to accelerate the ageing process.

If exposed to direct and strong light timber veneer products may undergo sudden and irregular changes from the original colour. As little as an hour's exposure to sunlight may change the colour of timber veneer. For more information visit www.laminex.com.au if in Australia, or www.thelaminexgroup.co.nz if in New Zealand.

Water will stain face veneers if allowed to 'pool' on the surface.

We recommend that all timber veneers be stored within closed sheds where they will not be exposed to sunlight and moisture.

Veneer Grain

It is normal practice in Australia and New Zealand to specify dimensions of veneered panels 'length by width by thickness'. The first nominated dimension specifies the direction the veneer grain runs eg 2400x1200 – the veneer length is 2400mm long and can be referred to as long band.



Cabinet and Shelving: Laminex Finished Designed Timber Veneers – **UrbanTeak** in sandblasted finish.

Storage & Handling

- Laminex Finished Designed Timber Veneer laminates and panels can be handled, stocked and worked as a traditional HPL or wood panel with a melamine overlay.
- Veneer laminate should always be stacked horizontally, face to face, at a moderate ambient temperature (about 20° C) and a relative humidity of around 60%.
- As with all veneer surfaces, they must be protected from sunlight with a cover sheet or non-transparent plastic, preferably dark, in order to assure stability.
- The laminates and panels are always to be handled by two people.
- The storage area should be protected from sun, rain and wind to minimise rapid changes in temperature and humidity. 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.
 - 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 the surface finishes.

Fabrication

No particular equipment or glues are required for the cutting and gluing operations. A good vinyl adhesive is recommended for a stronger adhesion, thus reducing the dimensional movements due to temperature and humidity variations. To avoid bubbling when applying Laminex Finished Designed Timber Veneer laminates with contact

adhesive, use special care to allow adequate drying time so that the solvents (or water, if the contact adhesive is water based) can evaporate. Always follow the adhesive manufacturers instructions.

Before application it is absolutely necessary 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 is ideally removed after onsite installation. Once the film is removed the acrylic polyurethane coating will take up to seven days to cure.

Care & Maintenance

Laminex Finished Designed Timber Veneers are easy to clean using a damp cloth and non-abrasive cleaning products. To remove more stubborn stains the use of alcohol, ammonia or other light solvents is recommended. Never use acetone or trichloroethylene on the polyurethane surfaces. Do not use abrasive cleaners, powders, scouring pads, steel wool, sandpaper etc. These can damage the finish and make the surface susceptible to staining. Silicone based cleaning products must be avoided.

Touch-up and Repairs

Where minor scratches appear on the Laminex Finished Designed Timber Veneer surface, a non silicone based furniture polish and a soft clean cloth can be used to disguise scratches.

Where deeper scratches occur then they may be disguised using colorfill or wax putty sticks, available in various colours.

For detailed care & maintenance instructions visit www.laminex.com.au if in Australia, or www.thelaminexgroup.co.nz if in New Zealand.

Technical Properties - Finished Designed Timber Veneer laminate
(This table shows typical values when tested by a NATA accredited laboratory)

	Wax & Sandblasted Finish	Gloss Finish
Nominal Thickness	1.0mm	1.0mm
Sheet Size	2440 x 1220mm	2440 x 1220mm
Nominal Weight per m ²	1.2 kg	1.2 kg
Dimensional stability at 20°C		
-longitudinal	0.4%	0.4%
-transverse	1.2%	1.2%
Resistance to surface wear (AS/NZS 2924.1:1998)	> 1150 cycles	> 1150 cycles
Resistance to staining (AS/NZS 2924.1:1998)	Reagents Group 1 to 4 = no visible change	Reagents Group 1 to 4 = no visible change
Colour fastness to artificial light: Xenon arc fading lamp (ISO 105-B02)	≥ 3 (Blue wool 6)	≥ 3 (Blue wool 6)

* Laminex Finished Designed Timber Veneer laminate has good colour retention and dimensional stability in normal interior applications. However, prolonged exposure to sunlight may cause shrinkage and/or some change in colour. Laminex Finished Designed Timber Veneer laminate is therefore not recommended for external applications or interior applications with prolonged exposure to direct sunlight.

Fire Properties – Cone Calorimeter Test (Finished Designed Timber Veneer MDF Panel)

Average Heat Release Rate	KW/m ²	77.8
Average Specific Extinction area	m ² /kg	11.7
BCA Classification	Group	3

For all enquiries

In Australia call **132 136** or to request a sample call **1800 002 204**.
www.laminex.com.au

In New Zealand call **0800 303 606** or to request a sample call **0800 999 939**
www.thelaminexgroup.co.nz

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The colours of the photographs depicted in this brochure are as close to the Laminex® DESIGNED TIMBER VENEERS, Raw & Finished range as photographic lighting and modern printing processes allow. Colour/finish combinations are subject to availability. Colours/finishes shown are available at the time of publication, but may be withdrawn.

Laminex® DESIGNED TIMBER VENEERS, Raw & Finished are produced from natural timber and may vary in colour, grain, texture & pattern, therefore any sample product, or sample colour is provided to indicate only the general nature of the product. In addition Timber Veneers sourced from Natural Timber can show considerable variation in colour and grain structure, therefore natural variation in the finished appearance should be expected.

Veneer products, including Laminex® DESIGNED TIMBER VENEERS, Raw & Finished being partially comprised of natural timbers will react to direct and indirect light. Therefore, a change of the surface colour and appearance over time is a natural characteristic, not a defect. Additionally, heat and humidity will interact with light to accelerate the ageing process. If exposed to direct and strong light, timber veneer products may undergo sudden and irregular changes from the original colour. As little as an hour's exposure to sunlight may change the colour of timber veneer. For more information visit our website.

Please obtain a copy of the terms and conditions of Laminex® DESIGNED TIMBER VENEERS, Raw & Finished 7 Year Limited Warranty from The Laminex Group or visit our website. This warranty is in addition to any rights that may exist under the Trade Practices Act and/or Consumers Guarantee Act (NZ).

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