



Laminex® finished timber veneer panels are pre-finished with a performance coating to increase the surface impact resistance and durability compared to traditional veneer. Each timber veneer decor has a specifically designed surface finish that is either textured or matte to enhance the beauty of the product. All finished veneer panels are delivered with a protective film to assist through the cutting, handling and installation process.

PRODUCT OPTIONS

The range of Laminex finished veneer panels require no additional coating.

Laminex Finished Designed Timber Veneer (FDTV)

Re-engineered and pre-coloured range of veneer panels to provide consistency in colour and design across the panel. Pre-finished with a performance coating to increase the durability and scratch resistance.

Laminex Finished Natural Timber Veneer (FNTV)

Natural and un-coloured American White Oak available as a crown cut or quarter cut option. Pre-finished with a performance coating to increase the durability and scratch resistance. This range is intended to represent the natural colour of the veneer; no staining or coating required.

Product		Available as	
Pre-finished timber veneer layon		1mm thick sheet overlay	
Finished MRZero MDF panel	Face two sides	2440 x 1220mm – 18mm nominal thickness	Veneer pressed both sides of panel
	Face one side with a white back	2440 x 1220mm – 18mm nominal thickness	Veneer pressed one side with a white laminate applied to the back
Matching unglued edging		23x1mm ABS	

USES

- Vertical interior use
- Kitchen, bathroom and laundry cabinets
- Light wear horizontal surfaces
- Panels on furniture – commercial and residential
- Wall units
- Bar fronts
- Shop fittings and displays
- Wall linings in dry areas

DESIGN CONSIDERATIONS

Edge finishing and substrate exposure

The edges of the Laminex finished veneer panels can be finished using 1mm ABS edging. Edging a panel helps protect the substrate from damage and moisture.

Cutting panels

Any cut outs or alterations to the board that leave the substrate exposed, and do not provide a water resistant seal, should be coated with a suitable water resistant barrier to help maintain the integrity of the board and prevent moisture ingress.

Accessories

It is important to consider the design of accessories, such as handles, to be used to finish off cabinetry and furniture or similar. The design of accessories can play a key part in ensuring moisture does not get trapped and cause the substrate to distort.

Batch matching

We recommend ordering all panels for one job together to avoid any slight colour variations that may occur between production runs.

APPLICATIONS

Laminex® finished veneer panels are suitable for both commercial and residential interior applications in vertical and light use horizontal areas. They can be used to make tables, furniture and general joinery but are not recommended for high wear applications such as kitchen benchtops or wet areas.

Laminex FDTV and FNTV have 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 timber veneers are therefore not recommended for external applications or interior applications with prolonged exposure to direct sunlight.

COLOUR CONSISTENCY

As with traditional veneers, it is not possible to guarantee an absolute consistency in colour of Laminex

finished timber veneer between one batch and another. Therefore, a slight colour difference between two sets of panels cannot be considered a defect. Check boards and sheets before commencing your project.

The American White Oaks as part of the FNTV range are all intentionally mismatched for a modern look and fewer issues with matching face sheets.

VENEER GRAIN

It is normal practice to specify dimensions of veneered panels 'length by width by thickness'. The first nominated dimension specifies the direction the veneer grain runs eg. 2400 x 1200 – the veneer length is 2400mm long and can be referred to as long band.

All Laminex finished timber veneer inventory is long band. Cross band is not available.

EXPOSURE TO WATER AND SUNLIGHT

Veneer products, including Laminex finished timber veneer, 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.

Water will stain the face of 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.

PERFORMANCE DATA

Test		Method	Laminex Finished Designed Timber Veneer	Laminex Finished Natural Timber Veneer
Resistance to staining	Acetone	AS/NZS 2924.2 Part 15 (HPL Test method)	3 (Moderate stain)	5 (No stain)
	Coffee		5 (No stain)	5 (No stain)
	25% Sodium hydroxide		5 (No stain)	5 (No stain)
	30% Hydrogen peroxide		5 (No stain)	5 (No stain)
	Shoe polish		4 (Slight stain)	5 (No stain)
	10% Citric acid	AS/NZS 4266.25 (LPM test method)	3 (Moderate stain)	4 (Slight stain)
	Beetroot juice		2 (Slight stain)	1 (No stain)
	Coffee		1 (No stain)	1 (No stain)
	Tomato sauce		1 (No stain)	1 (No stain)
	Marking pen		2 (Slight stain)	1 (No stain)
Shoe polish	2 (Slight stain)	1 (No stain)		
Resistance to surface wear	Initial point (cycles)	AS/NZS 2924.2 Part 6	1300	1500
	Mean (cycles)		1650	2250
Resistance to dry heat	Visual rating	AS/NZS 2924.2 Part 8	5 (No effect)	5 (No effect)
Resistance to wet heat	Visual rating	ISO 4586-2 Part 9	4 (Slight effect)	5 (No effect)
Resistance to scratching	Newton	AS/NZS 2924.2 Part 14	4.5	5.5
Resistance to colour change	Grey scale	AS/NZS 2924.2 Part 16	3.5	3
Resistance to steam	Visual rating	AS/NZS 2924.2 Part 23	3 (Moderate effect)	4 (Slight effect)
	Visual rating	AS/NZS 4266.23	2 (Slight effect)	1 (No effect)
Dimensional stability	Machine direction	AS/NZS 2924.2 Part 9	0.22	0.28
	Cross-machine direction		0.43	0.48
Gloss measurement	at 20°	AS/NZS 1580.602.2:1995	0.8	1.0
	at 60°		5.6	6.1
	at 85°		10.1	9.7

LIMITATIONS

- Laminex® timber veneer panels are not intended for use in an exterior or semi-exterior (alfresco) situations.
- Laminex timber veneer panels are not intended for high use horizontal applications such as kitchen benchtops.
- Laminex timber veneer panels must not be used in high humidity or wet areas such as saunas or showers.
- The substrate of the Laminex timber veneer panels must not come in contact with any freestanding water. Failure to keep dry will affect the performance of the panel.
- Health and safety precautions (refer health and safety section of this tech data sheet).

STORAGE AND HANDLING

Laminex finished timber veneer panels can be handled and stocked as a traditional wood panel. However, some specific features of timber surfaces require particular care. Laminex finished timber veneer panels should always be stacked horizontally, 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 wind and sunlight with a cover sheet or non-transparent plastic, preferably dark, in order to assure stability.

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.

CARE AND MAINTENANCE

Laminex finished timber veneer panels 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 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.

LIMITED WARRANTY

All Laminex FDTV and FNTV panels are covered by a 7 Year Limited Warranty subject to following all necessary storage, handling and installation guidelines. Please obtain a copy of a Laminex finished timber veneer 7 Year Limited Warranty from Laminex New Zealand or visit www.laminex.co.nz

HEALTH AND SAFETY

Health and safety precautions must be taken when working with wood panel products.

Exposure to wood dust and/or formaldehyde may cause irritation to the eyes, respiratory system and skin, and may cause sensitisation resulting in asthma and/or in dermatitis.

Wood dust is classified as a known carcinogen. Repeated inhalation of wood dust over many years may cause nasal cancer. Formaldehyde has been evaluated by the International Agency for Research on Cancer (IARC) as a group I, carcinogenic to humans. Storage areas

containing large quantities of Laminex timber veneer panels must be adequately ventilated. Work areas must be well ventilated and kept clean. Sawing, sanding and machining equipment must be fitted with dust extractors to ensure that dust levels are kept within standards laid down by Occupational Health and Safety New Zealand, or the specific country of use. If not, a dust mask conforming with AS/NZS 1715 and AS/ NZS 1337 must be worn. Offcuts, shavings and dust must be disposed of in a manner which avoids the generation of dust and in accordance with the requirements of local waste authorities. In end use applications all product surfaces exposed to occupied space must be sealed.

TECHNICAL SUPPORT

As not all product use options can be described herein, additional end use and specifying information is available as a complimentary service. For further information, please phone

Laminex New Zealand® Customer Services on 0800 303 606.
www.laminexnewzealand.co.nz

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