



01-2018

# Enviroven™ Veneers

## Technical Data Sheet

The Enviroven™ Veneer collection is a reconstructed veneer that offers consistency in woodgrain structure and tone. Available on an E0 MR MDF substrate Enviroven™ Veneers are unfinished for you to determine the final finish.

### Applications

Designed for interior applications, the consistency of colour and woodgrain makes Enviroven™ Veneers ideal for large or small installations. Perfect for residential or commercial applications such as doors, wall paneling, furniture, acoustic paneling and commercial joinery.

Enviroven™ is suitable for vertical installations and light use horizontal applications such as shelving. Enviroven™ is not recommended for high wear horizontal surfaces such as kitchen benchtops.

Enviroven™ Veneers are constructed from natural timbers. To retain colour consistency Enviroven™ is not recommended for interior installations with prolonged exposure to direct sunlight.

Enviroven™ is available in a range of colours, grain structures and unique designs, refer Enviroven™ Availability Chart for more details.

### Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Thickness		
	Unit	18mm	25 - 33mm
Density	kg/m <sup>3</sup>	730	710
Internal Bond	Mpa	0.90	0.70
Modulus of Rupture (MOR)	Mpa	43.0	38.5
Modulus of Elasticity (MOE)	Mpa	3600	3400
Screw Holding Edge	N	1600	1600
Screw Holding Face	N	1000	1000
Thickness Swell (24hr)	%	<4	<4

### Moisture Resistance

Enviroven™ Veneers MR MDF substrate complies with moisture resistance properties as specified in AS/NZS 1859.2. For details refer to Substrate Properties table.



### Fire Tests

MR MDF tested to AS/NZS 1530.3.  
Results typically achieved:

Indices	Result	Range
Ignitability	14	0-20
Spread of Flame	8	0-10
Heat Evolved	7	0-10
Smoke Developed	4	0-10

### Certification

Enviroven™ Veneers MR MDF is manufactured with an E0, low VOC substrate.

Timbers selected for Enviroven™ Veneers are sourced from sustainably managed forests and poplar plantations. A range of Enviroven™ products have achieved FSC® chain of custody certification and can contribute to Green Star® points.



The mark of responsible forestry



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### Product Options

Enviroven™ Veneers are available in the following options:  
An EO MR MDF panel in 17mm, 19mm, 26mm & 33mm pressed thicknesses.

### Sheet Sizes:

- 2400 x 1200mm G1S (veneer on front face & bamo on back) OR G2S (veneer on both sides)
- 2700 x 1200mm G1S or G2S
- 3000 x 1200mm G1S or G2S

Enviroven™ edging in 0.6mm thickness, available in 22mm, 38mm and 54mm widths.

### Colour Consistency

Although Enviroven™ is a reconstructed timber veneer it retains similar colour and grain characteristics to natural timbers.

Subtle grain differences may be visible between block lots (of up to 1,100 veneer leaves). Colour variation of  $\pm 10\%$  may be evident between block lots due to batch dyeing.

It is not possible to guarantee complete colour consistency between production blocks. As a result, slight colour variations between different Enviroven™ panels cannot be considered a defect.



### Veneer Grain

In Australia, the practice is to specify veneered panel dimensions as "length x width x thickness".

The "length" dimension identifies direction of the veneer's grain, i.e. on 3000 x 1200mm sheets the veneer grain runs the 3000mm length of the panel. This is referred to as long band. All Enviroven™ veneers are long band.

### Exposure to Sunlight

Enviroven™ veneers are reconstructed from natural timbers and will react to direct and indirect sunlight.

We recommend finishing panels with a 2-pac polyurethane containing both a non-yellowing agent and UV inhibitor. A UV inhibitor offers some protection against discolouration, but like all natural products, colour variation will occur over time.

Prolonged exposure to direct light may cause timber veneers to undergo sudden and irregular colour changes.

Discolouration caused by exposure to sunlight and ultraviolet rays cannot be considered a material defect.

### Storage

Store your unfinished Enviroven™ panels in an area protected from the elements to minimise rapid changes in temperature and humidity.

To avoid exposure to the elements, we recommend Enviroven™ sheets are stored in a suitable enclosed environment prior to installation.

For further technical information please refer to our website [newageveneers.com.au](http://newageveneers.com.au).