



# Laminex Decorwood®

Decorwood® is a medium density fibreboard bonded on both sides with a hardwearing melamine decorative surface. Decorwood® can be machined and face routed using conventional wood working tools.

However, Decorwood® is a wood based panel and will react to changes in moisture as will natural timber, ie. high or low humidity may cause some expansion or contraction of the board.

## APPLICATIONS

Decorwood® can be used in the following applications, in all areas away from high humidity, such as wall units, bedroom furniture, office furniture, wall lining, shelving.

### Note:

Laminex Decorwood® is for interior use only and should not be exposed to damp conditions or high humidity.

## INSULATION PROPERTIES

Usual range is 0.05 to 0.08 kcal/m Sec. °C.

## SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2-2001 Int.)						
Property	Unit	THICKNESS				
		9mm	12mm	16mm-18mm	25mm-32mm	
Board Density	kg/m <sup>3</sup>	760	750	735	710	
Internal Bond	KPa	800av.	800av.	800av.	700av.	
Modulus of Rupture	MPa	36av.	36av.	34av.	32av.	
Modulus of Elasticity	MPa	3300av.	3300av.	3300av.	3100av.	
*Screw Holding – Face	N	N/A	N/A	700av.	800av.	
*Screw Holding – Edge	N	N/A	N/A	1000av.	900av.	
Surface Soundness	MPa	0.9	1.0	1.2	1.4	
Moisture Content	%	6-9	6-9	6-9	6-9	
Thickness Swell 24 hr	%	15	11	9	8	

\* Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int).

## WEIGHT

Thickness	9mm	12mm	16mm	18mm	25mm	32mm
kg per m <sup>2</sup>	6.8	9.0	12.0	13.0	18.0	23.0

## DIMENSIONAL STABILITY

**Length** 0.4% **Thickness** 5.0% with changes from 35% Relative Humidity to 85% Relative Humidity (relative to datum point of 65% relative humidity).

## DECORATIVE SURFACE PROPERTIES

Decorwood®, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3-1996 for surface properties as follows:

## RESISTANCE TO WEAR

**Solid Colors**  
Typical results 600 cycles.

**Prints and Woodgrains**  
Typical results 100 cycles.

**RESISTANCE TO STEAM**  
No noticeable permeability effects.

## COLOURS

Decorwood® comes in a limited range of colours. Please contact your local branch for availability.

## FINISH

Flint, Natural.

## SHEET SIZES AND THICKNESSES

Refer to the Laminex® Product Availability Chart.



**ACOUSTIC PROPERTIES**

(Typically achieved when tested to AS 1911-1985 Section A2-3 AS 1276-1979)

Thickness	STC Class
16mm	29 dB
25mm	31 dB
32mm	32 dB

**FIRE HAZARD INDICES**

(Typically achieved when tested to AS/NZS 1530.3-1989)

Indices	Result	Range
Ignitability	13	0-20
Spread of Flame	6	0-10
Heat Evolved	6	0-10
Smoke Developed	4	0-10

**IMPORTANT NOTE**

A slight variation exists between the flint finish on Laminex® melamine faced board products (Lamiwood MR®, Decorwood®, HD3® Decorated, Vertiboard®, Vertiboard MR, Structural and Contour® Doors) and the flint finish on Laminex® high-pressure laminate products.

**Care & Maintenance**

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