

Formica® Decorated Particleboard

Formica® Decorated Particleboard is a predecorated particleboard substrate with a hardwearing melamine decorative surface on both sides.



APPLICATIONS

Formica® Decorated Particleboard can be used in all applications away from high humidity, such as wall units, built-in furniture, bedroom furniture, shelving and wall lining.

COLOURS

A wide range of colours, patterns and woodgrains are available. Please check your local branch for availability.

DECORATIVE SURFACE PROPERTIES

Formica Decorated Particleboard, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3 substrate properties as follows:

SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2-2001 Int.)

Specifications	Units	THICKNESS RANGE & TYPICAL VALUES		
		13-22mm	23-33mm	>33mm
Thickness Tolerance	mm	+/-0.3	+/-0.3	+/-0.3
Density	kg/m ³	640	610	580
Internal Bond	MPa	0.60	0.50	0.30
Modulus of Rapture	MPa	14.5	13.5	9.5
Modulus of Elasticity	MPa	2200	2100	1700
Surface Soundness	MPa	1.2	1.2	0.9
Screw Holding, Face	N	600	600	600
Screw Holding, Edge	N	700	700	700
Thickness Swell (24hr)	%	<12	<12	<12

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

In most instances the performance characteristics of the particleboard exceeds the minimum requirement of AS/NZS 1859.1-2001 (Int). However for minimum property values refer to AS/NZS 1859.1-2001 (Int).

WEIGHT

Thickness	16mm	18mm	25mm	33mm
kg per m ²	10.4	11.5	15.5	20.1

FINISH

Velvet, Pearl.

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

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

Cone Calorimeter AS/NZS 3837 (Irradiance of 50kW/m²)

Classification	Result	Unit/Range
Group Number	3	1-3
Average Specific Extinction Area	61.2	m ² / kg

RESISTANCE TO WEAR

Solid Colors

Typical results >700 cycles.

Patterns and Woodgrains

Typical results >150 cycles.

RESISTANCE TO STEAM

No noticeable permeability effects.

SHEET SIZES AND THICKNESSES

Refer to the Formica Product Availability Chart.

IMPORTANT NOTE

A slight variation exists between finishes on Formica melamine faced board products and the Formica high-pressure laminate products.

General Site Work Notes

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Laminate Product: Care & Maintenance

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Board Product: Site Work Notes

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