

Trade Essentials® Strandboard™

Trade Essentials® Strandboard™ is a wood panel product that delivers excellent strength and stiffness, together with excellent dimensional stability. This is due to the product being manufactured by bonding large flakes of wood together with an advanced resin system under heat and pressure to provide a timber panel with physical properties that suit a wide range of building and furniture joinery applications. Made using sustainable FSC® Mix wood resources and no added formaldehyde resin system, Strandboard is also an environmentally responsible choice.



APPLICATIONS

Trade Essentials® Strandboard™ is recommended for interior construction applications such as decorative wall and ceiling linings. In these applications it provides a unique appearance when polished, washed or raw. If surface coating, it is recommended that this occurs prior to installation, noting that fine join lines will result. Strandboard can also be used for wall bracings, cabinet carcass work and as an alternative to plywood for commercial or residential applications. It can also be used as an overlay covering for flooring applications over existing solid floors.

Strandboard also has moisture resistance for exterior applications, but only when sheltered from the weather, such as eave linings for alfresco areas. Otherwise, Strandboard is not recommended for exterior exposed applications.

PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.1)

Property	Unit	THICKNESS	
		9mm	12mm
Board Density	kg/m ³	680	680
Internal Bond	MPa	1.00	1.00
Modulus of Rupture	MPa	26.0	26.0
Modulus of Elasticity	MPa	3900	3900
Surface Soundness	MPa	1.10	1.10
Screwholding – Face	N	-	-
Screwholding – Edge	N	-	-
24 Hour Thickness Swell	%	< 5.0	< 5.0
Wet Bending Strength (Method A)	MPa	14.0	14.0
Formaldehyde Level	mg/L	< 0.30	< 0.30

WEIGHT

Thickness	9mm	12mm
kg/m ²	6.2	8.2

SHEET SIZE

Strandboard is available in sheet size of 2400 x 1200mm.

FIRE HAZARD INDICES

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Range	Result
Ignitability	0 to 20	13
Spread of Flame	0 to 10	7
Heat Evolved	0 to 10	6
Smoke Developed	0 to 10	2

VOC TEST RESULTS

(Typically achieved when tested to ASTM D 5116)

	Unit	Result
TVOC Emission	mg/m ² /hr	0.03

FIRE TEST RESULTS

Cone Calorimeter (Results when tested in accordance with AS/NZS 3837)

Classification	Result
Group Number	3
Average Specific Extinction Area	70.9kg/m ²

THIRD PARTY CERTIFICATION

Forest Stewardship Council® (FSC®) is an independent body established to promote the responsible management of the world's forests. Its trademark provides international recognition to organisations and their products that support responsible forest management. FSC Chain of Custody (CoC) certification is a stringent traceability system developed by FSC to ensure wood fibre is legally sourced and traded and can be traced through all points of the manufacturing process through to distribution. Trade Essentials Strandboard is FSC CoC certified and can accrue timber credits in the GBCA Green Star® Rating Tool.



General Site Work Notes

Appendix 1. Handling & Product Application Guidelines
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Board Product: Site Work Notes

Appendix 3. Handling & Product Application
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Sheet Size & Thickness Availability

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Greenfirst Products

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