

Trade Essentials® Triboard™ HD

Trade Essentials® Triboard™ is a unique, three-layered wood panel product consisting of a Strandboard core with fibreboard skins, produced in a single manufacturing process. The Triboard High Density (HD) version has a higher density build with greater structural integrity than comparable board products, making it ideal for interior structural panel requirements. It is lighter than MDF products and generally similar in weight to Particleboard products. Made using sustainable FSC® Mix wood resources, Triboard HD is also an environmentally preferred choice.



APPLICATIONS

Triboard™ HD is recommended for interior applications where the improved structural integrity of greater stiffness and flexural strength are of value. Suitable applications are domestic, industrial and commercial shelving, commercial furniture where extra durability is required, panel products for structural internal walls and bracing panels.

Triboard HD in 38mm thickness is an even higher density product that is ideal for specialty internal door core applications.

Note: Triboard HD is not recommended for exterior use.

PROPERTIES

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

Property	Unit	THICKNESS		
		15-18mm	30mm	38mm
Board Density	kg/m ³	580	620	690
Internal Bond	MPa	0.20	0.25	0.35
Modulus of Rupture	MPa	18.0	20.0	26.0
Modulus of Elasticity	MPa	3000	2800	3300
Surface Soundness	MPa	0.60	0.80	1.10
Screwholding – Face	N	650	650	950
Screwholding – Edge	N	950	1150	1650
24 Hour Thickness Swell	%	< 5.0	< 4.5	< 5.0
Wet Bending Strength (Method A)	MPa	5.0	6.5	8.5
Formaldehyde Level	mg/L	< 0.50	< 0.50	< 0.50

WEIGHT

Thickness	15mm	18mm	30mm	36mm	38mm	50mm
kg/m ²	8.7	10.4	18.6	22.3	26.2	31.0

SHEET SIZE

Triboard HD is available in a 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	14
Spread of Flame	0 to 10	0
Heat Evolved	0 to 10	1
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	< 0.262

FIRE TEST RESULTS

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

Classification	Result
Group Number	3
Average Specific Extinction Area	42.8kg/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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