

Trade Essentials® Litecraft®

Trade Essentials® Litecraft® is an Ultra Low Density Fibreboard (ULDF), a light weight wood-based panel with a stable, homogeneous surface and core with good machining and fabricating properties. It is suitable for non-load bearing applications where low weight for ease of manual handling is required. It is also a pinnable substrate, making it ideal for workstation partitions and screens. Litecraft is a wood based panel and reacts to changes in moisture like natural timber, i.e. high or low humidity may cause some expansion or contraction of the board. Made using sustainable FSC® Mix wood resources, Litecraft is also an environmentally preferred choice.



APPLICATIONS

Litecraft® is recommended for interior applications only, in vertical uses where reduced weight is of importance, such as workstation partitions and office screens, backing boards for wall mounted panels. It can also be used in applications where a pinnable throughout substrate is required. Litecraft may also be used in non-load bearing horizontal applications such as ceiling panels.

Note: Litecraft should not be exposed to damp conditions or high humidity.

PROPERTIES

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

Property	Unit	THICKNESS				
		12mm	16mm	23.5mm	28mm	43mm
Board Density	kg/m ³	450	420	420	420	420
Internal Bond	MPa	0.25	0.20	0.15	0.15	0.15
Modulus of Rupture	MPa	10.5	10.0	9.0	9.0	7.5
Modulus of Elasticity	MPa	1100	1100	1100	1100	1200
Surface Soundness	MPa	0.25	0.25	0.30	0.30	0.30
Screwholding – Face	N	-	350	350	350	350
Screwholding – Edge	N	-	350	350	350	350
24 Hour Thickness Swell	%	< 11.0	< 8.0	< 4.0	< 4.0	< 3.5
Wet Bending Strength (Method A)	MPa	1.5	2.0	2.0	2.0	2.0
Formaldehyde Level	mg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

WEIGHT

Thickness	12mm	16mm	23.5mm	28mm	43mm
kg/m ²	5.0	6.7	9.9	11.8	18.1

SHEET SIZE

Litecraft is available in a sheet size of 2450 x 1800mm.

FIRE HAZARD INDICES

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Range	Result
Ignitability	0 to 20	15
Spread of Flame	0 to 10	7
Heat Evolved	0 to 10	4
Smoke Developed	0 to 10	3

VOC TEST RESULTS

(Typically achieved when tested to ASTM D 5116)

	Unit	Result
TVOC Emission	mg/m ² /hr	< 0.002

FIRE TEST RESULTS

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

Classification	Result
Group Number	3
Average Specific Extinction Area	12.2kg/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
Section 9:1

Board Product: Site Work Notes

Appendix 3. Handling & Product Application
Section 9:3

Sheet Size & Thickness Availability

Appendix 6
Section 9:6

Greenfirst Products

Section 3:1