

Trade Essentials® Fireguard™ Group 2

Fireguard™ is a group 2 Medium Density Fibreboard (MDF) with excellent fire retardant properties. Like other materials in the Craftwood® range, Fireguard has a stable, homogenous surface and excellent machining properties. This makes it suitable for many types of finishing – including laminating and veneering.



APPLICATIONS

Versatile Fireguard is suitable for a range of applications where increased fire resistance is required, or where reduced fire reaction, flame spread and smoke development are important. So Fireguard is the material of choice for any application requiring a group 2 product.

Fireguard is a wood based panel and reacts to changes in moisture like natural timber – it is recommended for dry interior applications only, and should not be exposed to damp conditions or high humidity. Customers must assess and determine the suitability of Fireguard to meet their specific project requirements.

Note: Fireguard is manufactured to meet the Australian/New Zealand Standard for Low Formaldehyde Emission Class E1 (< 1.0 mg/L).

SHEET SIZES & THICKNESSES

Available in Standard Red in 12mm, 16mm and 18mm in 2400 x 1200mm sheet sizes, or in Black in 16mm and 18mm in 2400 x 1200mm sheet sizes.

PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2)

Property	Unit	THICKNESS & TYPICAL VALUES	
		12mm	18mm
Thickness Tolerance	mm	+/- 0.2	+/- 0.3
Density	kg/m ³	770	750
Internal Bond	MPa	0.70	0.55
Modulus of Rupture	MPa	31.0	26.0
Modulus of Elasticity	MPa	3100	3000
Surface Soundness	MPa	0.90	1.00
Screw Holding, Face	N	-	730
Screw Holding, Edge	N	-	850
Thickness Swell (24hr)	%	< 10.0	< 10.0
Formaldehyde Level	mg/L	≤ 1.0	≤ 1.0

FIRE TEST RESULTS

(Room Fire Test AS/ISO 9705, BCA and NZBC)

Classification	Result
Group Number (BCA)	2
Group Number (NZBC)	2S
Smoke Growth Rate Index (SMOGR _{RC})	23