

easycraft

Decorative Wall & Ceiling Linings

PRODUCT DATA SHEET



FIRE RATED INTERIOR



Products include:

easyvj, easygroove, easyregency, easyline, easybeaded, easyscreen, easypanel & expression series.



Easycraft Panel - General Purpose Fire Rated Interior is a Group 1 Medium Density Fibreboard (MDF) with excellent fire retardant properties. Like other materials in the Easycraft range, Easycraft Fire Rated Interior has a stable, homogeneous surface and excellent machining properties. This makes it suitable for many types of finishing – including laminating and veneering.

APPLICATIONS

Easycraft Panel – Fire Rated Interior 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 Easycraft Panel – Fire Rated Interior is the material of choice for any application requiring a group 1 or group 2 product.

Easycraft Panel – Fire Rated Interior 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 Easycraft Panel – Fire Rated Interior to meet their specific project requirements.

Note: Easycraft Panel – Fire Rated Interior is manufactured to meet the Australian/New Zealand Standard for Low Formaldehyde Emission Class E1 (< 1.0 mg/L).

PROPERTIES

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

THICKNESS & TYPICAL VALUES

Specifications	Property Unit	12mm	18mm
Thickness Tolerance	mm	+/- 0.2	+/- 0.2
Density	kg/m ³	750	740
Internal Bond	MPa	0.65	0.6
Modulus of Rupture	MPa	27.0	25.0
Modulus of Elasticity	MPa	2500	2300
Moisture Content	%	6-10	6-10
Thickness Swell (24hr)	%	<15.0	<12.0
Formaldehyde Level (E1 Classification)	mg/L	<0.8	<0.8

FIRE TEST RESULTS

(Room Fire Test AS/NZS 3837-1998)

Classification	Result
Group Number	1
Average Specific Extinction Area (m ² /kg)	120.2

* Note: When a Veneer has been applied to FR MDF it becomes a Group 2

THERMAL PROPERTIES

The thermal conductivity of MDF varies slightly with thickness with the usual range being 0.05 - 0.08 kcal/mh°C (0.12 - 0.15 W/m°C)

Like natural timber, MDF has a low thermal capacity. With the normal range of temperature variation, MDF is dimensionally stable and its strength unaffected.