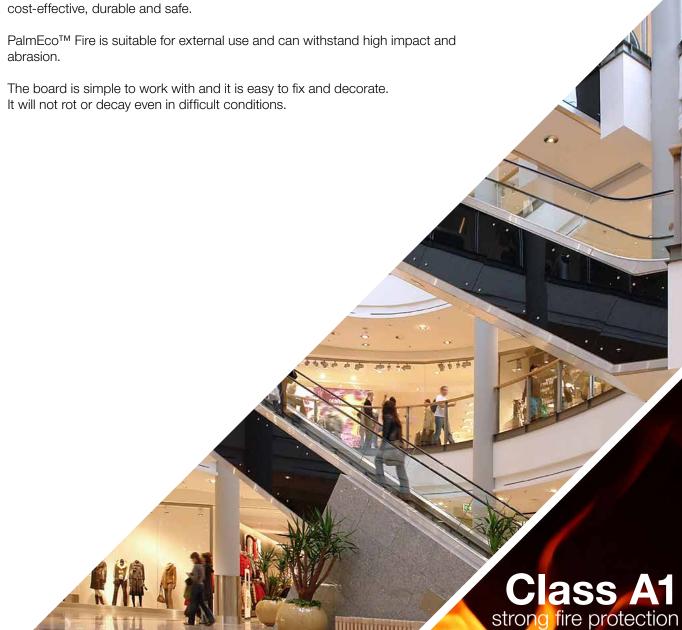


PalmEco[™] Fire board is designed for protection

PalmEco[™] Fire board is made from a special fire-rated minerals bond matrix reinforced with glass and palm fibres. It contains no asbestos and is free from formaldehyde. PalmEco[™] Fire board is a strong and non-combustible building board with up to 120 minutes fire rating performance in accordance with BS-EN 1364-1:1999, and is intended for use in both internal and external environments.

PalmEco™ Fire board meets the demand for building boards offering advanced fire protection. PalmEco™ Fire is eco-friendly and its complementing strengths – strong water and insect resistance, non-toxic emission, high acoustic performance, makes it an ideal choice of building board to meeting the most stringent regulations. It's cost-effective, durable and safe.

ommercial applications



performance

PalmEco[™] Fire board key facts

Board type

PalmEco[™] Fire board is a versatile strong non-combustible building board with top of class fire resistance performance. It remains strong, crack free and stable under high temperatures. It does not burn or emit toxic gas when exposed to a fully developed fire.

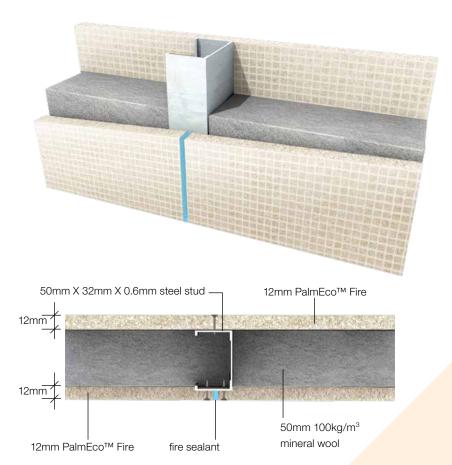
Green and safe for any residence

	Thickness	12mm
	Size	2440mm x 1220mm
	Normal dry density (average)	1100 kg/m³
	Combustibility	 Non-combustible BS476 Part 4 AS/NZ Standard 3837:1998 – Class Group 1 AS Standard 1530.1-1994 AS ISO 9239.1-2003 (supplementary standard BS-EN 13238-2001)
	Fire protection	Up to 120 minutes (BS-EN 1364-1:1999)
	Bending strength	14 N/mm²
	Moisture content	9.5%
	Surface alkalinity	pH 8-9 (approximately)
	Colour	Light grey

PalmEco™ Fire

Safety always comes first

Two-hour fire rating test complies with BS-EN 1364-1:1999



Simple to install

- 1. Fix panel to frame with stainless steel self-tapping screws at mininum 200mm centres
- 2. Position screws at least 10mm from panel edge and 50mm from corner
- 3. All screw holes must be pre-drilled
- 4. Steel stud maximum centres 600mm



Applications and benefits

PalmEco™ Fire **Typical applications** • Timber and steel frame partitions · Single skin solid wall • Underlay for stronger fire protection for timber and mezzanine floors · Walls, ceiling linings and suspended ceilings needing strong fire protection · Ducting and structural steelwork casings · Construction and upgrading of timber or paneled doors · Fascias, eaves, soffits and linings • Fire protection for thatched roofs Fire-rated door construction Service enclosures **Durability** Fully external/internal **Fire protection** No fire ignition, no spread of fire, emits no toxic gas emissions during a fire **Moist resistant** Rot proof and strong moisture resistance Insects and fungus resistant Strongly resistant to termites and mould **Environment** Eco friendly, no harmful gas emissions Green label product **Decoration** Can be decorated with wallpaper and painted to finish without priming **Cost effective** Highly durable and efficient Installation Dry installation of PalmEco™ Fire board is fast

metalwork

and convenient, using standard fixings and



Easy to work with



Cutting and sawing

Use a fine toothed saw. For shaped cuts use a pad, key hole or coping saw. Work smooth face up and support the board throughout. A power saw can be used with a tungsten carbide tipped blade. Always use dust extraction and wear suitable PPE.



Nailing

When nailing without pre-drilling, position not less than 12mm from board ege. Galvanised wire nails are recommended. Do not use lost head nails or panel nails in wet areas. Boards can also be stapled.



Screwing

When screwing, do not countersink 6mm boards. Pre-drilling is not always necessary. Use self-drilling/self-tapping screws. Screws should be located a minimum of 12 mm from board edges and 50 mm from board corners. Ribbed head screws are best for achieving a good countersink. Screws should be corrosion resistant.



Drilling

Use a high speed power drill (not hammer type), bits should have HSS tips. When drilling, always support the back of the board to prevent break out.



Fixing

Boards should be supported at maximum 600mm centres and fixed to supports using appropriate fixings at nominal 200 mm centres.



Planing and sanding

The edges of the boards can be planed or smoothed with a surform, rasp or file. Use conventional glass paper for sanding.



Painting

PalmEco™ Fire board can be decorated using conventional paints. Alkali resistant primers are not required. Water and oil based paints can be applied in accordance with paint manufacturer's instructions.



Plastering

PalmEco[™] Fire board's smooth face finish requires minimal finishing. If flushing jointing is required, use fibre mesh joint tape and standard jointing compounds. Use a wide joint skim to minimise the appearance of lines if decorated. Follow jointing compound manufacturer's recommendations at all times.



When papering PalmEco™ Fire board, size the surface to seal against suction and improve slip, then hang paper or vinyl in the normal way.



Tiling

PalmEco[™] Fire board should not be used as tile backer board. However, it can be tiled for "splash backs" where the maximum "splash back" area is 600mm wide X 300 mm high. In these areas the supports must be reduced to 300mm centres. It is recommended that PalmEco[™] Aqua board be considered for stronger moisture resistance.





- Clubs
- Restaurants
- Cinema
- Hospitals



Handling and storage

- Carry boards on edge and do not drop on their corners.
- Store boards under cover on a flat base clear of the ground.
 If stored on racks, boards should be fully supported across their width at not more then 1m centre.
- Always lift boards off the board below. Never slide board on board or drag the stack as this could mark the surface of the lower board.
- Store boards under cover for protection against inclement weather on a covered dry level ground away from the working area of mechanical plant.
- Boards should be stacked a maximum of 800mm high on firm level ground. If two or more pallets are stacked, the total stack height must be not more then 3500mm

Health and safety

The board is not classified as a dangerous substance and so no special provisions are required regarding the carriage and disposal of the product in a landfill. Waste can be placed in an on-site skip with other general building materials, which should be disposed of by a registered contractor and in accordance to local regulations.



For more information on our product range



PalmEco[™] Master

Multipurpose, great value



PalmEco[™] Fire

Greater fire resistance



PalmEco[™] Aqua

Higher water resistance



PalmEco™ Box

Ideal for cabinetmakers



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Disclaime

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