

The Plywood Specifiers Guide

Fire Retardant



FF FIRE RETARDANT Panels

Specifying the correct fire retardant panels for your project

We offer a range of Euroclass B rated panels that meet the requirements of EN13501-1 which are intended to reduce flame spread and limit the contribution to the growth rate of a developing fire.

- FF Birch Plywood
- FF Poplar Plywood - Lightweight
- FF MDF
- FF Chipboard
- FF OSB

In addition, we offer a range of Resistant Building Boards (multi-purpose magnesium oxide panels). These are highly durable non-combustible Euroclass A1 rated panels meeting the requirements of EN13501-1.



BIRCH PLYWOOD



Birch Plywood which meets the requirements of Euro Class B.

Individual birch veneers are soaked in PW-640 (a fire retardant liquid solution) prior to gluing and pressing. Augmented fire retardant performance throughout the panel can therefore be achieved as part of the product's production process.

Suitable for structural applications.



THEATRE SETS



CONSTRUCTION/JOINERY



SHOP/BAR FITTING



EXHIBITION/DISPLAYS

SPECIFICATION DETAIL:







Thicknesses (mm)	12 18 *
Number of plies	9 13
Dimensions	2440/1220 x 1220/2440
Average density	Approx. 700 kg/m ³
Product standard	EN 636-2
Glue bond standard	EN 314-2 Class 3 (Exterior)
Formaldehyde release	Class E1 (Tested to EN 717-2) - CARB Phase 2 compliant (On Request)
Grading	BB, BB/CP, CP+
Core	Uniform and consistent core construction
Environmental certification	FSC®
CE marked	BS EN 13986
Material safety data sheet	Available

* Other thicknesses available on request

LIGHTWEIGHT POPLAR PLYWOOD



Pressure impregnated fire-retardant treated **lightweight** poplar plywood designed to be used in interior applications.

-  EXHIBITION/DISPLAYS
-  CONSTRUCTION/JOINERY
-  COMMERCIAL/LEISUREVEHICLES
-  THEATRE SETS
-  SHOP/BAR FITTING
-  ARCHITECTURE

SPECIFICATION DETAIL :

Thicknesses (mm)	6mm-40mm
Dimensions	2500 x 1220 3100 x 1530
Average density	400 Kg/m ³ ± 10%
Product standard	EN 636-1
Glue bond standard	EN 314-2-Class 1
Formaldehyde release	Class E1
Classification	Euro Class B-s1,d0
Face grade	B/BB
Environmental certification	PEFC™ (FSC® available on request)
CE marked	BS EN 13986
Material safety data sheet	Available

ALTERNATIVE PANELS

Timber based panels which may also meet the requirements of your project

MDF

Thoroughly tested medium density fibreboard panels for use in public buildings where fire retardant panels are required by building regulations.



Specification Detail:

Thickness	6mm, 9mm, 12mm, 15mm, 18mm, 25mm
Dimensions	2440mm x 1220mm 3050mm x 1220mm
Environmental certification	FSC® or PEFC™ Certified
Classification	Euroclass B or C
Formaldehyde release	Class E1

Chipboard

P2 Furniture Grade Chipboard treated with fire retardant phosphate salts to meet Euroclass B.



Specification Detail:

Thickness	10mm, 12mm, 18mm
Dimensions	3050mm x 1250mm
Environmental certification	PEFC™ Certified
Classification	Euroclass B
Formaldehyde release	Class E1

OSB

Oriented Strand Board treated with a fire retardant solution during production. Suitable for structural applications.



Specification Detail:

Thickness	11mm, 15mm, 18mm
Dimensions	2397mm x 1197mm 2397mm x 1197mm
Environmental certification	FSC® Certified
Classification	Euroclass B & B _{fl}
Formaldehyde release	Class E1

NON-COMBUSTIBLE PANELS

Resistant Building Boards are a new age medium density, multi-purpose magnesium oxide board. A highly durable non-combustible board for use in applications requiring a combination of moisture and thermal resistance, as well as superior performance in fire.

Please see the reference guide below for further technical details on all resistant building board products.

BBA Accredited Magnesium Oxide Building Boards								
Product & Applications	Density	BBA (Certificate 15/5255)	Internal Use	External Use	Cutting Method	Racking to BS594	Fire Rating (Refer to fire test reports for guidance)	Fire Resistance
multi-pro <i>Tile Backer Board</i> <ul style="list-style-type: none"> Bathrooms & shower areas 	1050kg/m ³	✓	✓	Please follow the fitting & finishing guidance provided	Score & Snap	✗	A1 Non combustible	✗
multi-proXS <ul style="list-style-type: none"> Highest strength passive fire protection board Timber frame structural racking board Stable & durable laminating substrate Park home, volumetric & SIPS manufacturing 	1050kg/m ³	✓	✓	Please follow the fitting & finishing guidance provided	Score & Snap	✓	A1 Non combustible	Load and non-load bearing partition 60, 90 and 120 minutes
multi-pro <ul style="list-style-type: none"> Fire rated stud partition walls Soffit strips & cavity closers Large sheet tile backer Boiler backing board 	1050kg/m ³	✓	✓	Please follow the fitting & finishing guidance provided	Score & Snap	✗	A1 Non combustible	Non-load bearing partition 60 minutes. Up to 90 minutes for ceiling fire test
multi-rend <ul style="list-style-type: none"> Render carrier board Suitable for use with acrylic brick strips, stone cladding Solid fuel surround 	1050kg/m ³	✓	✓	Please follow the fitting & finishing guidance provided	Score & Snap	✗	A1 Non combustible	✗



Please visit our website to find out more information on our non-combustible panels:
www.hanson-plywood.co.uk

Quick Reference Guide - Fire Ratings

Class	Performance Description	National Class (England & Wales)	National Test Standard (England & Wales)	Example products which meet each class
A1	BS EN ISO 1182 BS EN ISO 1716	Non-combustible	BS 476: Part 4	Multi-Pro Moistsure Multi-Pro XS Multi- Rend
A2	BS EN ISO 1182 BS EN ISO 1716 BS EN 13823	Limited combustibility	BS 476: Part 11	
B	BS EN 13823 BS EN 11925-2	0	BS 476: Part 6 BS 476: Part 7	Birch Plywood Poplar Plywood Chipboard MDF
Bfl (Flooring only)	EN ISO 9239-1 EN ISO 11925-2	N/A	N/A	OSB
C	BS EN 13823 BS EN 11925-2	1 & 2	BS 476: Part 7	OSB MDF
D	BS EN 13823 BS EN 11925-2	3	BS 476: Part 7	Untreated Plywood Non FR MDF Non FR OSB
E	BS EN 11925-2	4	BS 476: Part 7	
F	No performance determined	Unclassified	No test	



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