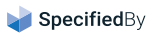


# The Plywood Specifiers Guide

Fire Retardant









**H FIRE RETARDANT**  
Panels



# **+** 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.

-  Birch Plywood - Decorative applications
-  Birch Plywood - Non-decorative applications
-  Poplar Plywood - Lightweight
-  MDF
-  Chipboard
-  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 DECORATIVE



**+** Birch Plywood available treated to a Euroclass B fire performance specifically for decorative internal dry and humid applications.

The upgraded fire performance is achieved with the factory application of an aesthetic, durable fire-retardant coating to the face of the plywood prior to installation.

The coating offers good resistance to abrasion, rubbing & scratching and meets **FIRA 6205 Severe Use Rating** in addition to excellent yellowing resistance. Available in either matt, mid sheen or gloss finish as required.

Careful consideration needs to be given to the method of installation to ensure alignment with the manufacturers fire certification.

 **DECORATIVE JOINERY APPLICATIONS**

 **DECORATIVE WALL & CEILING LININGS**

### SPECIFICATION DETAIL:

Thicknesses (mm)	12 15 18 24
Number of plies	9 11 13 17
Dimensions	2440 x 1220
Average density	Approx. 700 kg/m <sup>3</sup>
Product standard	EN 636-2
Glue bond	EN 314-2 Class 3 (Exterior)
Formaldehyde release	Class E1 (Tested to EN 717-2) - CARB Phase 2 compliant (On Request)
Grading	B/BB, S+/BB, BB
Core	Uniform and consistent core construction
Environmental certification	FSC® & PEFC™- Subject to availability
European Timber Regulation (EUTR) status:	Compliant
CE marked	BS EN 13986
Material safety data sheet	Available

## BIRCH PLYWOOD CONSTRUCTIONAL



### 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 <sup>3</sup>
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®
European Timber Regulation (EUTR) status:	Compliant
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/LEISURE VEHICLES
-  THEATRE SETS
-  SHOP/BAR FITTING
-  ARCHITECTURE

### SPECIFICATION DETAIL :

Thicknesses (mm)	6mm-40mm
Dimensions	2500 x 1220 3100 x 1530
Average density	400 Kg/m <sup>3</sup> ± 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)
European Timber Regulation (EUTR) status	Compliant - sourced within EU
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® & 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.



Specification Detail:	
Thickness	11mm, 15mm, 18mm
Dimensions	2397mm x 1197mm 2397mm x 1197mm
Environmental certification	FSC® Certified
Classification	Euroclass B <sub>fl</sub> or C
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	Internal Use	External Use	Cutting Method	Racking to BS594	Fire Rating	Fire Resistance
<b>multi-pro MoistSure</b> <small>The Backer Board</small> <ul style="list-style-type: none"> <li>Bathrooms &amp; shower areas</li> <li>Wet &amp; humid areas</li> <li>Swimming pools</li> </ul>	1050kg/m <sup>3</sup>	✓	✓	✓	Score & Snap	✗	A1 Non combustible	✗
<b>multi-proXS</b> <ul style="list-style-type: none"> <li>Passive fire protection board</li> <li>OSM, pods &amp; park homes</li> <li>Timber frame racking board</li> <li>SIPS fire mitigation-sheathing</li> </ul>	1050kg/m <sup>3</sup>	✓	✓	✓	Score & Snap	✓	A1 Non combustible	Load and non-load bearing partition 60, 90 and 120 minutes
<b>multi-pro</b> <ul style="list-style-type: none"> <li>Soffit strips &amp; cavity closers</li> <li>Fire rated stud partition walls</li> <li>Large sheet tile backer</li> <li>Boiler backing board</li> </ul>	1050kg/m <sup>3</sup>	✓	✓	✓	Score & Snap	✗	A1 Non combustible	Non-load bearing partition 60 minutes. Up to 90 minutes for ceiling fire test
<b>multi-rend</b> <ul style="list-style-type: none"> <li>Render carrier board</li> <li>Suitable for use with acrylic brick strips, stone cladding</li> <li>Solid fuel surround</li> </ul>	1050kg/m <sup>3</sup>	✓	✓	✓	Score & Snap	✗	A1 Non combustible	✗



Please visit our website to find out more information on our non-combustible panels:  
[www.hanson-plywood.co.uk](http://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 Moisture 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	



**CONTACT:**

**Hanson Plywood Limited** Tel: 01422 330444  
 Drakes Industrial Estate Fax: 01422 330706  
 Shay Lane, Halifax Email: sales@hanson-plywood.co.uk  
 West Yorkshire, HX3 6RL www.hanson-plywood.co.uk



For more information visit: [www.hanson-plywood.co.uk](http://www.hanson-plywood.co.uk)