



# Plymasters

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## Building Product Information Sheet

Designated building product: Class 1

### Product

Name/ Identifier	Flameshield Poplar
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### Description

Flameshield poplar has a European Fire rating of B-s2-d0 without any coating, which is equivalent to an NZ standard of Group 1S. This meets fire regulations for commercial and public buildings, including restaurants and schools. Flameshield Poplar can be used as a substrate or have a paint finish.

Each ply veneer of Flameshield Poplar is soaked in a fire retardant resulting in a sheet that can be sanded or machined without losing any of its retardant qualities. This plywood is durable and light weight making it practical for wall and ceiling linings. The cores and faces are made of poplar from controlled and sustainable European plantations.

Properties/ Lightweight / Dimensional Stability / Easy to Machine / European Manufactured.

### Technical Specs

Available Sizes	2440 x 1220
Available Thickness	12mm
Colour	Light Brown/White
Durability	Lightweight / Dimensionally Stable
Glue bond	Class 1 (EN 314-2)
Origin	Europe
Emissions	E1, as per EN 717-2
Weight	15.3kg

### Uses - Wall and Ceiling Linings

- Commercial Spaces
- Furniture
- Trains
- Construction

### Limitations of Use

Not for exposed external use. Not for use in fire surrounding applications. Not to be used in areas directly exposed to water. Ensure the Flameshield Poplar is not exposed to continuous wetting or subject to high levels of moisture. Especially when used in applications that are hidden from clear view or are not readily accessible for regular inspection.

Plymasters Flameshield Poplar meets a Group 1S rating in its raw state only.

For more information on this product visit: <https://plymasters.co.nz/product/flameshield-poplar>

Flameshield Poplar is suitable for use for interior linings in all areas where a fire rating is required. A Group 1s classification will also cover Group 2 and Group 3 requirements.

Outside of Plymasters Flameshield Poplar, our other products do not have certified fire ratings. However, a fire rating can be achieved if our Plywood or Panels are coated/sealed with a suitable lacquer/stain/paint.



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### Alternative test or classification standards for group numbers

Requirements according to C/VM2 Appendix A using ISO 9705 or ISO 5660	Requirements according to NCC Specification C1.10 Clause 4 using AS ISO 9705	Classification using EN 13501-1
Group Number 1- S	Group Number 1, and a smoke growth rate index not more than 100	Class A1, A2 or Class B and Smoke production rating s1 or s2
Group Number 1	Group Number 1	Class A1, A2 or B
Group Number 2- S	Group Number 2, and a smoke growth rate index not more than 100	Class C and Smoke production rating s1 or s2
Group Number 2	Group Number 2	Class C
Group Number 3	Group Number 3	Class D
Group Number 4	Group Number 4	Class E and F

### Technical Features

Technical Features	Values	Standard
Density (Kg/m <sup>3</sup> )	440-480	UNE EN 323
MOE - modulus of elasticity (N/mm <sup>2</sup> )	3.400-4.700	UNE EN 310
Face Screw Holding (kgf)	135	UNE EN 320
Moisture Content (%)	6-14	UNE EN 322

\*Use of this product is subject to approval of the designated Fire Engineer for each project.

#### Applications/Uses:

The specifications have been designed to be used in public places, trains, ships, furniture and construction or decorative elements.

This product meets current regulations in force. It is classified as B-s2-d0 according to EN 13501, enabling this material for building and construction use. In addition, it has been tested according to other standards obtaining the following classifications:

Class M1 according to NF P 92-501:1995

Class F1 according to NF F 16-101



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### Manufacturer Details

Place of Manufacture	Overseas
Trading Name of the Manufacturer	Garnica
Legal Name of the Importer	GRUPO GARNICA PLYWOOD, S.A.U.
Address of Manufacturer	Parque San Miguel, 10 bajos. 26007 Logroño, La Rioja (Spain)
Manufacturer Website	<a href="https://www.garnica.one/en-uk/">https://www.garnica.one/en-uk/</a>
Manufacturer Email	<a href="mailto:sales@garnica.one">sales@garnica.one</a>
Manufacturer Phone Number	+34 941 51 23 53
Importer New Zealand Business Number (NZBN)	N/A

### Importing Details

Place of Manufacture	Overseas
Legal/ Trading Name of the Manufacturer	Garnica
Legal/ Trading Name of the Importer	Plymasters trading as Plymasters Limited Partnership
Address of Importer	281 Heads Road, Castlecliff, Whanganui 4501
Importer Website	<a href="https://plymasters.co.nz">Plymasters.co.nz</a>
Importer Email	<a href="mailto:sales@plymasters.co.nz">sales@plymasters.co.nz</a>
Importer Phone Number	0800 344 112
Importer New Zealand Business Number (NZBN)	9429047708815

### Supporting Documentation

For further information, please refer to our website and spec sheet.

- <https://plymasters.co.nz/categories/products/transport-construction/flameshield-poplar>
- <https://plymasters.co.nz/assets/Uploads/Plymasters-Flameshield-Declaration-of-Performance-2024.pdf>



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### Contributions to Compliance

- B2 Durability B2.3.1 (c)
- F2 Hazardous Building Materials F2.3.1
- B2/AS1 table 1
- Dry Conditions - Class 1 [EN636-1]
- NZ Building Code Clause C3: Fire affecting areas beyond the fire source
- **Performance C3.4 (a)** - *Plymasters Flameshield Poplar meets a Group 1S rating in its raw state only.*  
C3.4 (a) materials used as internal surface linings in the following areas of buildings must meet the performance criteria specified below:

#### Performance determined under conditions described in ISO 9705: 1993

Area of building	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system
Wall/ceiling materials in sleeping areas where care or detention is provided	Material Group Number 1-S	Material Group Number 1 or 2
Wall/ceiling materials in exitways	Material Group Number 1-S	Material Group Number 1 or 2
Wall/ceiling materials in all occupied spaces in importance level 4 buildings	Material Group Number 1-S or 2-S	Material Group Number 1 or 2
Ceiling materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1 or 2
Wall materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1 or 2
Wall/ceiling materials in occupied spaces in all other locations in buildings, including household units	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

Is the building product/building product line subject to warning or ban under section 26?:

- No



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