



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

- 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.

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 ³)	440-480	UNE EN 323
MOE - modulus of elasticity (N/mm ²)	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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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	Plymasters.co.nz
Importer Email	sales@plymasters.co.nz
Importer Phone Number	0800 344 112
Importer New Zealand Business Number (NZBN)	9429047708815

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]

Resene Paint Systems - Fire Ratings

The listed Resene paint systems over the listed substrate have been fire tested using a cone calorimeter in accordance with ISO 5660 to determine Group Classification in accordance with New Zealand Building Code (NZBC)

Substrate	Undercoat (1 coat unless otherwise stated)	Topcoat (2 coats unless otherwise stated)	Indicated Group No.	Test Report
9mm thick 'A' grade plywood	Resene Aquaclear Semi-Gloss	Resene Aquaclear Semi-Gloss (3 coats SR 12 sqm/L)	3 (NZBC)	FAR3981

In many cases a Group1S rating can be achieved. This needs to be done through a specialized coating system. For further information visit: <https://www.zone.net.nz/page/583081>

For any other information regarding fire ratings please email: sales@plymasters.co.nz

Supporting Documentation

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

<https://plymasters.co.nz/categories/products/transport-construction/flameshield-poplar>



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