



# Flameshield Poplar

## Fire Ratings

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.

## 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](mailto:sales@plymasters.co.nz)



## 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

	Values	Standard
Density (Kg/m3)	440-480	UNE EN 323
MOE - modulus of elasticity (N/mm2)	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

