



Flameshield Poplar

Specification Sheet

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.

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

Product Info

Code	Timber	Sheet Size	Thickness	Weight	Grading
E1012-FR	Poplar	2440 x 1220	12mm	15.3Kg	CC+ (Paint Grade)

Technical Specs

Colour	Light Brown/White
Durability	Lightweight / Dimensionally Stable
Glue bond	Class 1 (EN 314-2)
Origin	Europe
Emissions	E1, as per EN 717-2

Ideal Uses

- Commercial Spaces
- Furniture
- Trains
- Construction

Handling & Application/ Flameshield, despite being a durable product is still vulnerable to moisture. Consequently it is the users responsibility to ensure the edges are sealed with a protective coating to give the product the necessary protection from moisture and for the desired performance. This is a natural product that can be affected by changes in weather conditions: moisture and temperature. Increased moisture content temperature variation may cause internal stresses causing previously flat sheets to bow.

At Plymasters, precautions are taken to minimize this effect. However, once the plywood has left our warehouse we cannot guarantee sheets to remain flat unless fastened. This is particularly important where free standing kitchen/ cabinet doors are concerned. When storing panels, stack on a firm raised base with enough support to prevent sagging. Cover the pallet to protect top and edges.



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/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

