

### PRODUCT OVERVIEW

Designed for use in commercial interiors or other applications where improved resistance to fire is required.

Exceptional properties:

- ♦ Lightweight
- ♦ Dimensional stability
- ♦ Easy-to-machine
- ♦ European manufactured



### PRODUCT DESCRIPTION

Panel modified through an innovative ply-to-ply process that gives it exceptional flame retardant properties. Unlike other treatments, its properties remain intact when working or sanding the panel.

Cores and faces made of poplar from controlled and sustainable European plantations. Lightweight, surface quality, easy-to-machine and easy-to-transport.

**Glue Type:** Class I (EN 314-2)

**Emission:** E1, as per EN 717-2

**Grades:** Face grades B/BB/C



### 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

## 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 Cl.10 Clause 4 using AS ISO 9705	Classification using EN 13501-1
Group Number I- S	Group Number I, and a smoke growth rate index not more than 100	Class A1, A2 or Class B and Smoke production rating sl or s2
Group Number I	Group Number I	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 sl 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

## FORMATS

Dimensions	Sheet Thickness
2500 x 1220	12mm

## 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.

## HANDLING & APPLICATION INFORMATION

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 minimise this effect. However, once the panel 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.