

PRODUCT DATA SHEET

Fire Armour

Product Description:

Made of 100% poplar out of Northern Europe from controlled and sustainable forestry resources.

Modified by an innovative fireproofing treatment which makes the whole panel exceptionally resistant to fire even after sanding or other kinds of machining.

Specie: 100% European Poplar

Glue Bond: Class 1 (EN 314-2)

Emission: E1

Grades: Face grades B/BB/C

Environmental Certification: can be supplied certified according to the FSC® (license Code FSC-C019345) and PEFC forest standard

Applications*:

With its lightweight, surface quality, easy-to-machine and easy-to-transport characteristics, it can be specified to be used in automobile, boat building, interior fitout, furniture making, public spaces, construction or decorative purposes

Fire Rating:

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 or 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

Sizes

Dimensions	Sheet Thickness	No. of Layers
2500 x 1220	12mm	7
2500 x 1220	18mm	9
3050 x 1300	12mm	7
3050 x 1300	18mm	9

Technical Data

	Values	Standard
Density (Kg/m ³)	450 ± 10%	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 the designated Fire Engineer's approval on individual project.**

Handling & application information:

Despite being a durable product, Fire Armour is still a natural timber product, which can be impacted by the weather conditions, e.g. the moisture & temperature changes. Fluctuation in moisture content and temperature may cause internal stress leading to previously flat sheet to bow. It's the users responsibility to ensure the edges are sealed with a protective coating to give the product the necessary protection.

Once the panel has left our warehouse, we cannot guarantee the sheets to remain flat unless it's been stored on a firm raised based with enough support to prevent sagging.