

FIRE

PANGUANETA
Plywood For Life



FIRE

FIRE is an engineered, innovative and modern treated plywood, designed to improve safety and reduce the risk of fire. A further contribution to the use of plywood of unique, fantastic character with fire protection properties.

The advantages of **FIRE** are represented by the carachteristics of of Panguaneta plywood: quality, stability, lightweight, easy machining, finishing and handling.

FIRE plywood is fully pressure impregnated, fire-retardant treated, and designed to be used for interior applications.

FIRE range is available for most of Panguaneta products and sizes.

APPLICATIONS

- **Public buildings**
- **Schools**
- **Hospitality**
- **Exhibitions**
- **Wooden houses**
- **Furniture**
- **Marine industry**
- **Stage sets**

CERTIFICATIONS

FIRE DESIGN

EUROCLASS B-S1, D0 CERTIFICATION - STANDARD EN 13501.1

Application: Construction and Generic use

B-s1,d0 certified products are available with CE marking in accordance with EN 13986 standard and pursuant to the Construction Products Regulation 305/2011 / EC, for use in dry environment.

The norm EN 13501-1 provides the reaction to fire classification procedure for all construction products, including products incorporated within building elements.

FIRE SEA

IMO-MED CERTIFICATION

Application: Marine and Shipyards

MED 2014/90 / EU Directive (and its subsequent amendments) covers the main equipments and materials intended to be employed on board maritime (non-military) vessels. The technical rules applicable to marine equipment reflect the resolutions of the International Maritime Organization (IMO).

FIRE RAIL

EN45545-2 CERTIFICATION

Application: Public transports (Trains - Buses - Subways)

EN45545-2 standard, part of the EN 45545 series, specifies the requirements of fire behaviour of the materials and products used on railway vehicles as defined in EN 45545-1: products with high resistance to fire, very low smoke emssions and meeting the requirements set for risk classes HL3 (requirement R1 - walls) and HL2 (requirement R10 - floors).



FIRE DESIGN

EUROCLASS B-S1, D0 CERTIFICATION
STANDARD EN 13501.1

EN13501.1 standard regulates the reaction to fire of construction products and elements.

Panguaneta products are available with CE marking in accordance with EN 13986 standard and pursuant to the Construction Products Regulation 305/2011 / EC, for use in dry environment.

FIRE DESIGN has been developed to suit most of interior applications. Lacquering, painting, overveneering and laminating, or the use of other finishings along with certified decorative materials.



TUTTO-PIOPPO

2500 x 1220 mm
3050 x 1300 mm
3100 x 1530 mm

OKOUME-TWIN

2500 x 1220 mm
3100 x 1530 mm

Thickness	6 to 40 mm	
Glueing	Class **1**	UNI EN 636 1
Formaldehyde emission	**E1** **E05-D2020** (on request)	UNI EN 13986
Density	450 - 550 kg/m^3	UNI EN 320
Module of Elasticity	3500 - 5500 N/mm^2	UNI EN 322
Certifications	**PEFC™** **FSC®** **CE1**	



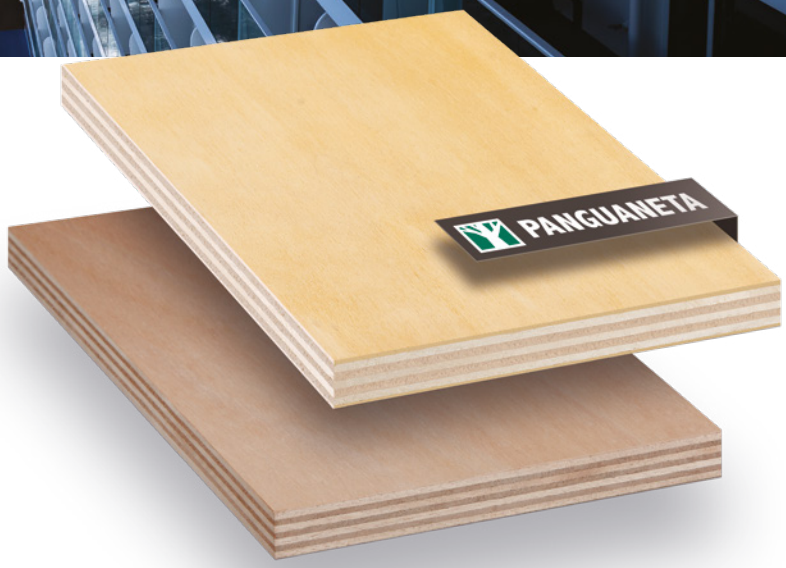
FIRE SEA

IMO-MED CERTIFICATION

MED 2014/90/EU Directive (and its subsequent amendments) covers the main equipments and materials intended for use on board maritime seagoing ships for civil use (non military). The technical rules applicable to marine equipment reflect the resolutions of the International Maritime Organization (IMO).

FIRE SEA is manufactured in accordance to the above standards intended to be used for materials for the preparation of the ship itself and fire fighting equipments, and developed to suit most of interior applications within the marine industry.

The distinctive marking for these products is the "wheelmark".



TUTTO-PIOPPO	TUTTO-OKOUME
2500 x 1220 mm 3050 x 1300 mm 3100 x 1530 mm	2500 x 1220 mm 3100 x 1530 mm

Thickness	8 to 30 mm	
Glueing	Class **1**	UNI EN 636 1
Formaldehyde emission	**E1** **E05-D2020** (on request)	UNI EN 13986
Density	450 - 550 kg/m^3	UNI EN 320
Module of Elasticity	3500 - 5500 N/mm^2	UNI EN 322
Certifications	**PEFC™** **FSC®**	



FIRE RAIL

EN45545-2 CERTIFICATION

One of the most important aspects in the study of products for the railway industry is the fire protection of vehicles and the analysis of reaction / resistance properties of the materials used for fire resistance. For this reason Panguaneta has created a product that presents high fire resistance and very low smoke emission.



FIRE RAIL is certified according to EN standard 45545-2 and meets the requirements imposed for risk classes HL3 (requirement R1 - walls) and HL2 (requirement R10 - floors). The standard, part of the EN 45545 series specifies the fire behaviour requirements of materials and products used on railway vehicles as defined in EN 45545-1. The certification is able to certify the reaction to fire and the Toxicity / Opacity of the fumes with all methods required in the industry.

TUTTO-PIOPPO

2500 x 1220 mm
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3100 x 1530 mm

Thickness	8 to 30 mm	
Glueing	Class **1**	UNI EN 636 1
Formaldehyde emission	**E1** **E05-D2020** (on request)	UNI EN 13986
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Certifications	**PEFC™** **FSC®**	

APPLICATIONS













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