DATA SHEET

FIRE SEA – FIRE RAIL TUTTO OKOUME

REVISION 01 JANUARY 2020

DESCRIPTION

Plywood panel totally made of “Okoume” veneers (*Aucouméa klaineana*), modified by an innovative fireproofing treatment which makes the whole panel exceptionally resistant to fire even after sanding or other kinds of machining. Thanks to their characteristics of durability combined with their fire-retardant performances, these panels are perfect for interior building for the transport of people and goods both by sea and by rail. The range is composed by:

- FIRE-SEA P: certified for use in shipbuilding industry according with the European Norm IMO-MED for marine equipment.
- FIRE-RAIL: certified for use in rail industry according with the European Norm EN 45545 for railway rolling stock.

APPLICATIONS

CERTIFICATIONS

GLUING

FORMALDEHYDE RELEASE

ON DEMAND

SIZES

	Standard	Unit	Value							
Standard sizes		mm	2500 x 1220 – 3100 x 1530							
Thickness	EN 315	mm		**6**	**8**	**10**	**12**	**15**	**18**	**25**	**40**
N° layers		nr.		5	5	5	7	7	9	11	17

FEATURES

	Standard	Unit	Value	
			PANGUA FIRE-SEA P	PANGUA FIRE-RAIL P
Voluminal mass	EN 323	Kg/m^3	550 ± 10%	
Bending strength Long grain/ Cross grain	EN 310	N/mm^2	≥25 / ≥15	≥15 / ≥15
Modulus of elasticity	EN 310	N/mm^2	≥3000 (average L/T)	
Thermal conductivity	EN 10456	W/m K	0,12	
Moisture	EN 322	%	8 ÷ 12	
Reaction to fire				
Standard	IMO MSC.307(88) Annex 1 Part.5		Compliant with MED/3.18a	---
Standard	EN 45545-2		---	Compliant

None of the following tests has been subject to preliminary conditioning. The specific values are average values referred to the normal production. It is responsibility of the customer to determine if Panguaneta’s products are suitable for the wished applications and to ensure that places and way of use comply with the supplier’s instructions and with the law in force.

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