

TRAINPLY CP



TOUBOIS
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Trainply CP is a fire-retardant Okoume/Ozigo plywood panel.

This non-decorative panel designed for railway applications is compliant with EU standard NF EN45545-2.

Recommended application for in train cabins floors.

Peeled Okoume Veneers 10/10^{ths}

Faces quality B/BB

Inner layers : Selected plies - Alternate of Okoume & Ozigo

Glue : Classe 3 - Norme EN 314-2

Dimensional tolerance : Standard EN 315

Density : 640 kg/m³ (+/- 10%) – Norme EN 323

BENEFITS

- Naturally durable and resistant to humid environments, made from peeled tropical wood veneer
- An excellent product with an unbeatable strength/weight ratio
- Fire-retardant panel complying with the French national railway "SNCF" technical specification for materials (ST-M056 Index B)
- HL3 R10 according to EN45545-2:2023

DIMENSIONS	2500 x 1220 mm ■ 2500 x 1530 mm ■ 3100 x 1530 mm							
THICKNESS (mm)	6	8	10	12	15	18	22	25
PLIES	5	7	7	7	9	11	13	13



E1

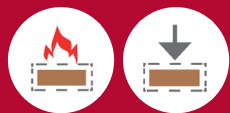


The mark of responsible forestry

ON REQUEST

- FSC® certified veneers
- Other sizes





DECLARATION OF PERFORMANCE (DOP)

N° DOP:	DDP 004	Version 2 of 15/12/2025
Identification code:	EN 636-3	
Type number:	TRAINPLY CP	
Intended use:	Fire-retardant panel for railway applications. Resistant to humid environments.	
Manufacturer:	TOUBOIS SAS – Le château - 16260 Chasseneuil-sur-Bonnieure - FRANCE	
Evaluation and verification of system performance:	ST-M056 Indice B & EN 45 545 - 2 : 2023	CE 4
The notified organism:	TOUBOIS	
performed:	initial inspection of the manufacturing facility and control of factory production and monitoring, evaluation and continuous assessment of control of factory production	
delivered:	the factory production control certificate	

DECLARED PERFORMANCES:

Essential characteristics	Performances															Harmonized technical specification	
Thickness in mm				6		8		10	12	15	18		22	25			
Bonding quality	3																
Density : Kg/m³	640																
Reaction to fire	HL3 - R10																
Release of formaldehyde	E1																
STRENGTH : N/mm²																	
Bending // to faces				65,2		51,0		45,0	45,0	46,0	47,0		48,0	45,6			
Bending ⊥ to faces				67,4		58,0		59,0	58,0	60,0	60,0		64,0	76,5			
Tension // to faces				15,5		10,4		8,9	16,9	15,0	13,7		12,8	18,2			
Tension ⊥ to faces				26,4		28,7		32,1	26,2	28,0	29,3		30,1	26,0			
Compression // to faces				22,8		17,1		14,5	24,9	22,1	20,2		18,9	26,9			
Compression ⊥ to faces				29,5		32,1		35,9	29,3	31,3	32,7		33,7	29,1			
Planar shear // to faces				2,2		2,2		2,2	2,2	2,2	2,2		2,2	2,2			
Planar shear ⊥ to faces				1,4		1,4		1,4	1,4	1,4	1,4		1,4	1,4			
Planar shear				6,7		6,5		6,6	6,8	6,8	6,8		6,8	6,9			
ELASTICITY : N/mm²																	
Bending // to faces				5 867		5 970		5 030	5 760	6 000	6 070		6 040	5 964			
Bending ⊥ to faces				5 506		5 900		7 400	7 380	7 520	7 680		7 840	9 020			
Tension // to faces				6 090		4 110		3 490	6 630	5 890	5 400		5 040	7 170			
Tension ⊥ to faces				7 870		8 550		9 580	7 810	8 360	8 730		8 990	7 750			
Compression // to faces				6 090		4 110		3 490	6 630	5 890	5 400		5 040	7 170			
Compression ⊥ to faces				7 870		8 550		9 580	7 810	8 360	8 730		8 990	7 750			
Planar shear // to faces				120		120		120	120	120	120		120	120			
Planar shear ⊥ to faces				90		70		70	98	93	90		87	108			
Planar shear				490		470		470	490	490	490		490	500			
Punching shear resistance	6 mm : R1 : 6 / R2 : 10								25 mm : R1 : 57 / R2 : 87								
Impact resistance	NPD																
Water vapour permeability (μ)																	
- wet cup	70																
- dry cup	200																
Sound absorption [250-500] Hz	0,1																
Sound absorption [1000-2000] Hz	0,3																
Thermal conductivity (W/m.K)	0,13																
Release of pentachlorophenol (ppm)	< 5																

EN 13986: 2004 + A1: 2015

The performance of the product identified is in accordance with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.
Both ends figures were obtained through lab testing; Figures in between were obtained through theoretical calculation.

Signed on the behalf of the manufacturer by:	Ms. Sanja BASIC	Site manager	The:	15/12/2025	in:	Chasseneuil-sur-Bonnieure
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