

TEBOPLUS



Joinery, interior fitting in vehicle building, caravans, mobile homes, light packing, DIY.
All end uses where a factor of light weight is required.



DESCRIPTION

Base board: Poplar Plywood

Faces (IAW EN 635-2): II / III

Finishing: sanded 2 sides

Average density (IAW EN 323): 450 kg/m³ (+/- 10%)

Bonding (IAW EN 314-2): class 3

Service (IAW EN 636): class 2 humid conditions

Formaldehyde release classification (IAW EN 717-1): E0.5 ($\leq 0,062$ mg/m³)

Content of Pentachlorophenol (IAW EN 13986): PCP ≈ 0 ppm

SIZES, NUMBER OF PLYS & PACKAGING

Thicknesses (mm)	Number of plies	Sizes (mm)	Packing
5	3	2500 x 1220 3100 x 1530	90
8	5		55
10	5		45
12	7		37
15	7		30
18	9		25
22	9		20
25	11		18

Other sizes & thicknesses: on request

OPTIONS

Preservative treatments, fungicide & Insecticide, antitermite: optional on request

Cutting & TG processing: optional on request

STORAGE

Flat, on intermediate bearers, in an enclosed dry and ventilated building, clear of the ground. As far as storage on site is concerned, provision should be made to cover the panels with an opaque waterproof sheeting with the underside of the stacks clear of the ground.

FURTHER PROCESSING & INSTALLATION

Compliance with standard practice, with regulations and with health and safety rules should be maintained at all times.

Cutting and machining in the workshop possible except laser technology.

PRODUCTION SITES

Production on Thébault's sites in France



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TECHNICAL PROPERTIES

Characteristic values (MPa) IAW EN 789 - 1058 for structural calculations IAW Eurocodes

		5	9	10	12	15	18	22	25
Modulus of elasticity (E_m)	//	7052	5782	5634	5217	5135	4853	4637	4516
	└┘	248	1518	1666	2083	2165	2447	2663	2784
Bending strength (f_m)	//	42.8	35.1	34.2	31.7	31.2	29.4	28.1	27.4
	└┘	1.5	9.2	10.1	12.6	13.1	14.9	16.2	16.9
Others characteristic values	Available on DOP Strength in: Tension (f_t), Compression (f_c), Panel shear (f_v) and Planar shear (f_p) Modulus of elasticity in: Tension (E_t), Compression (E_c), Panel shear (G_v) and planar shear (G_p)								

Uses

Use in structural applications (IAW EN 13986, EN 636-2, EN 636-1)	Suitable for use as structural element in humid conditions (service class 2) and interior conditions (service class 1)
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Nail and screw holding (t = 15 mm)

Nail	Face and edge: 300 N	
Screw	Face	Edge
	650 N	950 N

Bending radius (mm)

Thicknesses	5	8	10	12	15	18
//	1000	1600	2000	2400	3000	3800
└┘	1000	1600	2000	2400	3000	3800

Sound absorption coefficient

IAW EN 13986 Table N°10	Frequency range	
	250 Hz to 500 Hz	1000 Hz to 2000 Hz
	0,10	0,30

Thermal conductivity

IAW EN 13986	$\lambda = 0,13$
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Characteristic density

IAW EN 789	NC
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Vapour permeability

IAW EN 13986 Table 9	Wet cup	Dry cup
	44 μ	187 μ

Reaction to fire

End use condition In reference to table 8 of EN 13986 - 2004+A1:2015	Minimum thickness	Class excluding floorings	Class floorings
Without an air gap behind the panel	9 mm	D-s2,d0	D _{fl} -s1
With a closed or an open air gap not more than 22 mm behind the woodbased panel	9 mm	D-s2,d2	-
With a closed air gap behind the wood-based panel	15 mm	D-s2,d1	D _{fl} -s1
With an open air gap behind the wood-based panel	18 mm	D-s2,d0	D _{fl} -s1
Any	3 mm	E	E _{fl}

Airbone sound absorption

IAW EN 13986 Paragraph 5.10	The sound transmission loss R of a single wood-based panel, measured in dB, is related the mean surface mass m_A en kg/m ² according to the following equation (which is only valid for the frequency range of 1 kHz to 3 kHz and at a surface mass > 5 kg/m ²): $R = 13 \times \lg(m_A) + 14$
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TECHNICAL SUITABILITY & CERTIFICATION

CE Structure attestation of conformity 2+	0380 - DOP* - CPR - EN 13986 : 2004 + A1 : 2015 - EN 636-3 S E1 * DOP : Declaration of Performance available on www.groupe-thebault.com
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Ecocertification	CE Marking	Information on the emission level of volatile substances within the indoor air, showing a risk of toxicity in case of inhalation, based on a scale going from A+ (very low emissions) to C (high emissions). Scenarios flooring/ceiling
PEFC 	CE S (Structural) 	