

TEBOPIN SELECT



All applications where the natural aesthetic of the wood is important and where the reverse side remains invisible. Joinery works, internal & external fittings, DIY, playgrounds, apparent roof underlays, wall linings, timber framed constructions. High class packing.



THEBAULT Group

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DESCRIPTION

Base board: Maritime Pine throughout Plywood
Average density (IAW EN 323): 580 kg/m³ (+/- 10%)
Faces (EN 635 - 3): I / III



Finishing: Sanded 2 sides
Thickness of the outerlayers: 20 or 30/10th
Bonding (EN 636-3): Class 3
Formaldehyde release classification (EN 13986 & EN 636 - 3): E1 with very low formaldehyde emission
Content of Pentachlorophenol: PCP ≈ 0 ppm

SIZES, NUMBER OF PLYS & PACKING

Thicknesses (mm)	Number of plies	Sizes (mm)	Packing
7	(3)	2500 x 1250 2440 x 1220	65
9	(3)		50
10	(5)		45
12	(5)		37
15	(5)		30
18	(7)		25
21	(7)		22
24	(9)		20
25	(9)		18
27	(9)		15
30	(11)		15
35	(13)		13
40	(15)		11
45	(17)		10

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.

PRODUCTION SITES

Production on Thébault's sites in France



TECHNICAL PROPERTIES

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

		7	9	10	12	15	18	21	24	25	27	30	35	40
Modulus of elasticity (E_m)	//	10816	11752	8723	7596	9152	9220	8188	7983	6444	7695	7500	7093	6824
	_ _	1634	698	3727	2078	3298	3230	4262	4467	4815	4755	4950	5357	5626
Bending Strength (f_m)	//	29,2	31,7	20,3	23,2	24,4	23,0	20,4	17,0	14,9	18,6	15,5	15,9	16,9
	_ _	8,7	4,9	17,8	14,8	13,7	12,1	15,1	12,5	15,5	14,8	12,7	15,2	15,1
Other characteristic values	Available on request 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 636-3)	Suitable for use as structural element in exterior conditions corresponding to service class 3 of ENV 1195-1.
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Characteristic density

IAW EN 789	540 kg/m ³
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Bending radius (mm)

Thickness	10	12	15	18
//	2500	3000	3750	4750
_ _	2000	2400	3000	3800

Nail and screw holding (t = 15 mm)

Nail	Face and edge: 30 daN	
Screw	Face	Edge
	180 daN	140 daN

Thermal conductivity

IAW EN 13986	$\lambda = 0,13$
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Reaction to fire

IAW EN 13501-1	D-s2, d0 (minimum thickness 9mm)
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Vapour permeability

IAW EN 13986 Table N°9	Wet cup	Dry cup
	70 μ	200 μ

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

Airborne sound absorption

IAW EN 13986 Paragraph 5.10	The sound transmission loss R of a single wood-based panel, measured in dB, is related to the mean surface mass mA in 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): $R = 13 \times \lg(mA) + 14$
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TECHNICAL SUITABILITY & CERTIFICATION

CE structure attestation of conformity 2+	0380 - DOP* - CPR - EN 13986 : 2004 - EN 636-3 S E1
CE structure 2+ « Roofing & Flooring 15 to 24 mm »	* DOP : Déclaration of Performance available on www.groupe-thebault.com

Quality marks (country)			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)
NF Extérieur CTB-X (F)	BFU 100 (D)	KOMO (NL)	PEFC	CE S (Structurel)	