

TEBOPIN WALL SHEATHING

FT TEBOPIN WALL SHEATHING - REF 25-V1-GB - Cancels and supersedes any previous versions



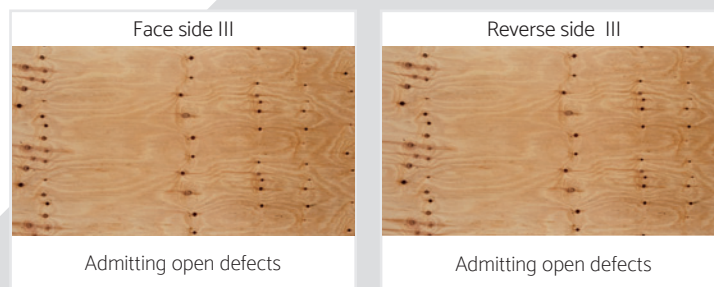
All timber frame applications requiring a compatible size in wooden modular constructions and where strength and durability are a priority.



DESCRIPTION

Base board: Maritime Pine throughout Plywood

Faces (IAW EN 635-3): III / III



Finishing: unsanded 2 sides

Average density (IAW EN 323): 580 kg/m³ (+/- 10%)

Bonding (IAW EN 314-2): class 3

Service (IAW EN 636): class 1-2-3 (interior, humid and exterior conditions) - flooring & roofing IAW EN 12871

Formaldehyde release classification (IAW EN 717-1): E0.5 (≤ 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
9	(3)	2800 x 1196	50
12	(5)	2500 / 2850 x 1250	37
15	(5)	2500 x 1530	30

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

		9	12	15
Modulus of elasticity panel shear (G_v)	//	548	548	548
	└┐	548	548	548
Bending Strength panel shear (f_v)	//	5,9	5,9	5,9
	└┐	5,9	5,9	5,9
Modulus of elasticity planar shear (G_p)	//	95	95	95
	└┐	95	95	95
Bending Strength planar shear (f_p)	//	0,5	0,5	0,5
	└┐	0,5	0,5	0,5
Others characteristic values	Available on DOP - Strength in: Tension (f_t), Compression (f_c), Bending (f_m) Modulus of elasticity in: Tension (E_t), Compression (E_c), Bending (E_m)			

Uses

Use in structural applications (IAW EN 13986, IAW EN 12871, 636-3, EN 636-2, EN 636-1)	Suitable for use as structural element in exterior conditions (service class 3), humid conditions (service class 2) and interior conditions (service class 1)
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Bending radius (mm)

Thickness	12	15
//	3000	3750
└┐	2400	3000

Nail and screw holding (t = 15 mm)

Nail	Face and edge: 300 N	
Screw	Face	Edge
	1450 N	1150 N

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

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}

Thermal conductivity

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

IAW EN 789	540 kg/m ³
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Vapour permeability

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

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 the mean surface mass m_A 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): $R = 13 \times \lg(m_A) + 14$
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TECHNICAL SUITABILITY & CERTIFICATION

CE Structure attestation of conformity 2+ CE structure 2+ «Wallsheathing»	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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Quality marks (country)			Ecocertification	CE Marking	Volatile substances	
NF Extérieur CTB-X (F)	KOMO (NL)	BFU 100 (D)	PEFC	CE	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	EPA TSCA Titre VI (USA)
						