DECLARATION OF PERFORMANCE CE

DOP - 8

DOP 08 - 18/03/24 - Ref 24-V2-GB - *Cancels and supersedes any previous versions*

THEBAULT GROUPE

TEBOPAINT
TEBOPAINT GARANT
TEBOPRIME
TEBOPRIME GARANT

1. **Identification code:** Plywood 100% Okoume - EN 636-3 S
2. **Type number:** 100% Okoume for exterior conditions
3. **Intended use:** Structural exterior
4. **Manufacturer:**
THEBAULT JEAN SAS - 47 rue des Fontenelles - F79460 Magné
5. **Authorized representative:** not applicable
6. **System of assessment and verification of constancy of performance:** 2+
7. **Certificate of conformity of the factory production control issued by:** FCBA (0380)
8. **European technical assessment:** not applicable
9. **Declared performances:** harmonized technical specification EN 13986:2004+A1:2015

Essential characteristics and performances

Thickness (mm)		3	4	5	6	8	9	10	12	15	18	19	20	22	25	30	35	40
Nimber of plies		3	3	3	4	5	5	5	5	7	9	9	9	11	11	13	15	17
RESISTANCE (N / mm²)																		
Tension f_t	//	11	9,1	12,8	6,1	12,7	13,6	10,2	12,6	10,1	8,4	10,1	10,1	8,2	10	10	10	12,2
	_|_	12,5	14,4	10,7	17,4	12,1	11,2	14,6	12,2	14,7	16,4	14,7	14,7	16,6	14,8	14,8	14,8	12,6
Compression fc	//	18	15	21	10	22,1	23,6	17,8	22	17,6	14,6	17,5	17,5	14,3	17,5	17,5	17,4	21,2
	_|_	20,5	23,5	17,5	28,5	21,1	19,6	25,4	21,2	25,6	28,6	25,7	25,7	28,9	25,7	25,7	25,8	22
Bending fm	//	50	45,5	40,5	35	40,8	30,6	34,4	31,7	30,4	27,5	28,9	28,9	25,9	28,1	27,7	27,4	31,3
	_|_	16,8	22	26,4	32,4	24,7	24,3	31,1	33,8	35,1	38	36,6	36,6	39,6	37,4	37,8	38,1	34,2
Planar shear fr	//	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
	_|_	1,4	1,4	NPD	NPD	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Panel shear fv	//	7	7	7	7	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
	_|_	7	7	7	7	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
MODULUS OF ELASTICITY (N / mm²)																		
Tension E_t	//	4317	3597	2943	2398	6018	6432	4838	5971	4792	3960	4769	4769	3882	4756	4747	4740	5761
	_|_	4933	5653	6307	6852	5732	5318	6912	5779	6958	7790	6981	6981	7868	6994	7003	7010	5989
Compression Ec	//	4317	3597	2943	2398	6018	6432	4838	5971	4792	3960	4769	4769	3882	4756	4747	4740	5761
	_|_	4933	5653	6307	6852	5732	5318	6912	5779	6958	7790	6981	6981	7868	6994	7003	7010	5989
Bending Em	//	7847	7139	6318	5490	7317	6940	6170	5692	5456	4940	5180	5180	4650	5042	4962	4910	5621
	_|_	1403	2111	2932	3760	4433	4356	5580	6058	6294	6810	6570	6570	7100	6708	6788	6840	6129
Planar shear Gr	//	91	91	91	91	178	166	221	179	223	270	224	224	275	225	225	226	186
	_|_	91	91	91	91	71	87	62	62	92	96	107	107	103	116	122	126	148
Panel shear Gv	//	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552
	_|_	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552	552

	End use condition	Minimum thickness	Class excluding floorings	Class floorings
REACTION TO FIRE*	Without an air gap behind the panel	9 mm	D-s2,d0	Dfl-s1
	With a closed or an open air gap not more than 22 mm behind the wood based panel	9 mm	D-s2,d2	-
	With a closed air gap behind the wood based panel	15 mm	D-s2,d1	Dfl-s1
	With an open air gap behind the wood based panel	18 mm	D-s2,d0	Dfl-s1
	Any	3 mm	E	Efl
THERMAL CONDUCTIVITY (W/m.K)		λ = 0,13		

* In reference to table 8 of EN 13986 - 2004+A1:2015

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MEAN STIFFNESS IN BENDING UNDER CONCENTRATED LOAD R_{mean} (N / MM)
NPD

ULTIMATE CHARACTERISTIC STRENGTH UNDER CONCENTRATED LOAD - $F_{max,k}$ (kN)
NPD

SERVICEABILITY CHARACTERISTIC STRENGTH UNDER CONCENTRATED LOAD - $F_{ser,k}$ (kN)
NPD

RACKING RESISTANCE (WALL SHEATHING ON STUDS)	NPD To obtain the values by mean of calculation, use EN 1195-1-1 with a density of 500 (kg/m³)
IMPACT RESISTANCE	NPD In accordance with the requirements of EN 12871 in impact resistance

WATER VAPOUR PERMEABILITY	**μ Wet cup**	**μ Dry cup**
	44	187
RELEASE OF FORMALDEHYDE	≤ 0,062 mg/m³, ½ E1 IAW EN 717-1	
CONTENT OF PENTACHLOROPHENOL	PCP < 5 ppm	
AIRBORNE SOUND ABSORPTION	NPD The sound transmission loss R of a single wood-based panel, measured in dB, is related the mean surface mass mA en kg/m² 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/m²): R = 13 × lg (mA) + 14	
SOUND ABSORPTION (COEFFICIENT)	**Frequency range 250 Hz to 500 Hz**	**Frequency range 1000 Hz to 2000 Hz**
	0,10	0,30
EMBEDMENT STRENGTH	NPD To obtain the values by mean of calculation, use EN 1195-1-1 with a density of 500 kg/m³	
AIR PERMEABILITY (FLOW)	0,0 m³/(h.m²)	
BONDING	Class 3 (EN 636-3) according to EN 314-2	

MODIFICATION FACTOR k_{mod}	**Duration of load**				
	Permanent	Long	Medium	Short	Instantaneous
	0,50	0,55	0,65	0,70	0,90

DEFORMATION FACTOR k_{def}	**Service class**		
	1	2	3
	0,80	1,00	2,50

BIOLOGICAL DURABILITY - USE CLASS	3

10. **Performance of the product:**
The performance of the product identified in points 1 and 2 is in conformity with the declared performance of point 7.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer by :

Antoine THEBAULT, President
Issued in Magné - 18/03/24

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