

TEBOPLUS
TEBOPLUS PRIME
TEBOPLUS PACK
TEBOPLUS SOLID

1. Identification code: Plywood 100% Poplar - EN 636-2 S
 2. Type number: 100% Poplar for humid conditions
 3. Intended use: Structural humid
 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)		5	8	9	10	12	15	18	22	25	30
Number of plies		3	5	5	5	7	7	9	11	11	13
RESISTANCE (N / mm ²)											
Tension f_t	//	24,7	20,6	21,9	22,8	20,3	22,2	20,3	19,9	19,1	14,6
	└┘	11,8	15,9	14,6	13,7	16,2	14,3	16,2	16,6	17,4	21,9
Compression f_c	//	20,5	17,1	18,2	18,9	16,8	18,4	16,8	16,5	15,9	12,1
	└┘	9,8	13,2	12,1	11,4	13,5	11,9	13,5	13,8	14,4	18,2
Bending f_m	//	42,8	36,4	35,1	34,2	31,7	31,2	29,4	28,1	27,4	18,2
	└┘	1,5	7,9	9,2	10,1	12,6	13,1	14,9	16,2	16,9	26,1
Planar shear f_r	//	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
	└┘	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Panel shear f_v	//	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3
	└┘	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3
MODULUS OF ELASTICITY (N / mm ²)											
Tension E_t	//	6019	5022	5340	5560	4944	5417	4942	4853	4668	3560
	└┘	2881	3878	3560	3340	3956	3483	3958	4047	4232	5340
Compression E_c	//	6019	5022	5340	5560	4944	5417	4942	4853	4668	3560
	└┘	2881	3878	3560	3340	3956	3483	3958	4047	4232	5340
Bending E_m	//	7052	6004	5782	5634	5217	5135	4853	4637	4516	2998
	└┘	248	1296	1518	1666	2083	2165	2447	2663	2784	4302
Planar shear G_r	//	31	37	35	33	37	34	37	38	40	52
	└┘	0	21	21	21	18	30	31	33	33	28
Panel shear G_v	//	430	430	430	430	430	430	430	430	430	430
	└┘	430	430	430	430	430	430	430	430	430	430

REACTION TO FIRE*	End use condition	Minimum thickness	Class excluding floorings	Class floorings
	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)		$\lambda = 0,13$		

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

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 450 (kg/m ³)				
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	$\leq 0,062$ mg/m ³ , 1/2 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/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): $R = 13 \times \lg (mA) + 14$				
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 450 kg/m ³				
AIR PERMEABILITY (FLOW)	0,0 m ³ /(h.m ²)				
CLASS	Bonding (IAW EN 314-2): class 3 Service (IAW EN 636): class 2 humid conditions				
MODIFICATION FACTOR k_{mod}	Duration of load				
	Permanent	Long	Medium	Short	Instantaneous
	0,60	0,70	0,80	0,90	1,10
DEFORMATION FACTOR k_{def}	Service class				
	1	2		3	
	0,80	1,00		-	
BIOLOGICAL DURABILITY - USE CLASS	2				

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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