

TEBOPIN PROFIL

1. **Identification code:** Plywood 100% Maritime Pine - EN 636-3 S
 2. **Type number:** 100% Maritime Pine for exterior conditions
 3. **Intended use:** Non structural exterior
 4. **Manufacturer:**
SIB THEBAULT SAS - 20 rue de Saunière - 79190 Sauzé-Vaussais - France
THEBAULT PLYLAND SAS - 6, piste 36A JP Darrigade - 40210 Solférino - France
 5. **Authorized representative:** not applicable
 6. **System of assessment and verification of constancy of performance:** 4
 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)		9		11		15
Number of plies		5		5		5
RESISTANCE (N / mm²)						
Tension f_t	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Compression f_c	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Bending f_m	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Planar shear f_r	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Panel shear f_v	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
MODULUS OF ELASTICITY (N / mm²)						
Tension E_t	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Compression E_c	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Bending E_m	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Planar shear G_r	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
Panel shear G_v	//	NPD		NPD		NPD
	└┬	NPD		NPD		NPD
REACTION TO FIRE					NPD	
THERMAL CONDUCTIVITY (W/m.K)					$\lambda = 0,13$	
RACKING RESISTANCE (WALL SHEATHING ON STUDS)			NPD To obtain the values by mean of calculation, use EN 1195-1-1 with a density of 540 (kg/m ³)			
IMPACT RESISTANCE			NPD In accordance with the requirements of EN 12871 in impact resistance			

MEAN STIFFNESS IN BENDING UNDER CONCENTRATED LOAD R_{mean} (N / MM)										
	Span l (mm)									
e (mm)	300	400	500	600	700	800	900	1000	1100	1200
12	258	167	119	90	71	58	49	41	36	31
15	807	521	371	281	223	182	152	129	112	98
ULTIMATE CHARACTERISTIC STRENGTH UNDER CONCENTRATED LOAD - $F_{max,k}$ (kN)										
	Span l (mm)									
e (mm)	300	400	500	600	700	800	900	1000	1100	1200
12	4,58	3,76	2,94	2,11						
15	5,98	5,22	4,46	3,70	2,94	2,17	1,41			
SERVICEABILITY CHARACTERISTIC STRENGTH UNDER CONCENTRATED LOAD - $F_{ser,k}$ (kN)										
	Span l (mm)									
e (mm)	300	400	500	600	700	800	900	1000	1100	1200
12	3,21	2,63	2,06	1,48	0,90					
15	4,19	3,65	3,12	2,59	2,05	1,52	0,99			
WATER VAPOUR PERMEABILITY		μ Wet cup					μ Dry cup			
		44					187			
RELEASE OF FORMALDEHYDE		$\leq 0,062 \text{ mg/m}^3$, $\frac{1}{2}$ 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 540 kg/m ³								
AIR PERMEABILITY (FLOW)		0,0 m ³ /(h.m ²)								
BONDING		Class 3 (EN 636-3) according to EN 314-2								
MODIFICATION FACTOR k_{mod}		Duration of load								
		Permanent	Long	Medium	Short	Instantaneous				
		-	-	-	-	-				
DEFORMATION FACTOR k_{def}		Service class								
		1	2		3					
		-	-		-					
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