

Declaration of Performance (DoP)
For Product Plywood Softwood (Pine) 18 mm
DoP N° 001/2021 (código de producto)

1-Identification code	EN 636-3 S	
2-Batch / Serial number	18 mm - 7 ply	
3-Intended use	External use as structural components	
4-Harmonized technical specification	EN 13986:2004 + A1:2015	
5-Manufacturer / Country	Forestadora Tapebicuá SA / RN 14, km 748, Virasoro, Corrientes, Argentina. Tel +54 3756 493201 / Email ventas@tapebicua.com.ar	
Authorized representative	Ms. Mónica Wroński / Sales Manager / Tel +54 911-6676-8070 / Email mwronski@tapebicua.com.ar	
6-System of Assessment and verification of constancy of performance (AVCP)	System 4	
7-Notified body / Certification N°	--- / ---	
8-Declared performance		
Essential characteristics	Performance 18 mm - 7 ply	Harmonized technical specification
Bending strength		ITT (EN 310)
-Parallel (N/mm ²)	41	
-Perpendicular (N/mm ²)	33	
Bending stiffness (Modulus of Elasticity)		
-Parallel (N/mm ²)	4850	
-Perpendicular (N/mm ²)	2800	
Classification according to EN 636	F25/20 E40/25	EN 636
Bonding quality	Class 3	ITT (EN 314-1/2)
Durability (Moisture Resistance) (N/mm ²)	1,50	EN 314-1/2, Section 5.6.5
Moisture Content (up to 14) (%)	11,0	EN 322
Density Minimum 450 (Kg/m ³)	530	EN 323
Release of Formaldehyde (Emisión de formaldehído)	E1	EN 13986 Annex B, Note 2 (use of Phenolic-Glue)
Reaction to fire (reacción al fuego)	Declared D-s2, d0	EN 13986, Table 8
Water vapour permeability	Declared wet cup 70 – dry cup 200	EN 13986, Table 9
Airborne sound insulation	-	EN 13986, Section 5
Sound absorption	Declared 0,1 for frequency between 250-500 Hz Declared 0,3 for frequency between 1000-2000 Hz	EN 13986, Table 10
Thermal conductivity (Conductividad térmica)	Declared 0,13 W/(mk)	EN 13986, Table 11
Characteristic strength for use in structural design		EN 12369-2
Bending (Resistencia a la flexión) f _{m,0°} / f _{m,90°} (N/mm ²)	25 / 20	
Tension (Resistencia a la tracción) f _{t,0°} / f _{t,90°} (N/mm ²)	10 / 8	
Compression (Resistencia a la compresión) f _{c,0°} / f _{c,90°} (N/mm ²)	12,5 / 10	
Shearing (Resistencia al cizallamiento) f _v / f _r (N/mm ²)	4,3 / 0,7	
Characteristics stiffness for use in structural design		
Bending (Elasticidad a la flexión) E _{m, 0°} / E _{m, 90°} (N/mm ²)	4000 / 2500	
Tension (Elasticidad a la tensión) E _{t, 0°} / E _{t, 90°} (N/mm ²)	2000 / 1250	
Compression (Elasticidad a la compresión) E _{c, 0°} / E _{c, 90°} (N/mm ²)	3200 / 2000	
Shearing (Elasticidad al cizallamiento) G _v / G _r (N/mm ²)	360 / 22	
Mechanical durability (medium duration of load)		EN 1995-1-1
Modification coefficient K _{mod} Service class 3 (medium duration of load)	0,65	
Deformation coefficient K _{def} Service class 3	2,50	
Biological durability	Declared class of risk 2	EN 335/EN 1099
Content of pentachlorophenol (Test not required)	PCP ≤ 5 ppm	EN 13986 2004, Section 5.18

The performance of the product/s is in conformity with the declared performances.

The declaration of performance is issued the sole responsibility of the manufacturer, identified above.

Signed for and on behalf of the manufactured by:



Mirta Noemi Báez

Deputy Manager of Quality
Forestadora Tapebicuá S.A. / Argentina / 02 March 2021