



Declaration of Performance for product Plywood 18mm/1 DoP-N° 000003



1.	Identification code:	EN_636-2-S_18mm
2.	Batch-/ Serial number	18mm/7ply Grade II-II / II-III / II-IV / III-III/III-IV
3.	Intended use:	Internal use as structural components in humid conditions
4.	Harmonized technical specification	EN 13986:2004 + A1:2015
5.	Manufacturer / Country	CMPC Maderas SpA / Avenida las Industrias Pedro Stark N° 100 Los Angeles, Chile / Tel. +56 (2) 2441 2814 / Email: woodsales@cmpc.cl
	Authorised representative	Cristian Letelier V./ Sales Manager-Europe / M: +49 174 3070124 / Email: cristian.letelier@cmpc.cl
6.	System of Assessment and verification of constancy of performance (AVCP)	System 2+
7.	Notified body:	HFB Engineering GmbH - 1034 -
	Certificate N°	1034-CPR-1677/1/2017

Essential characteristics		Performance			Harmonized technical specification	
Bending strength parallel	(N/mm ²)	43			ITT According to EN 310	
perpendicular	(N/mm ²)	26				
Bending stiffness (Modulus of Elasticity) parallel	(N/mm ²)	4760			EN 636	
perpendicular	(N/mm ²)	2540				
Classification according to EN 636		F25/15 E40/25			EN 636	
Bonding quality		Class 3			ITT (EN 314-1/2)	
Durability (Moisture resistance)		1,22			EN 314-1/2 Section 5.6.5	
Moisture Content (Up to 14)		11,0			EN 322	
Density Minimum 450		533			EN 323	
Release of Formaldehyde		E1			EN 13986 Annex B, Note 2(Use of Phenolic-Glue)	
Reaction to fire		Declared: D-s2, d0			EN 13986, Table 8	
Water vapour permeability		Declared: wet cup 70 - dry cup 200			EN 13986, Table 9	
Airborne sound isolation		-			Section 5 of EN 13986	
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		Declared: 0,13 W/(mK)			EN 13986, Table 11	
Characteristic strength for use in structural design (N/mm ²)						
Bending	$f_{m, 0^\circ}$	25			EN 12369-2	
	$f_{m, 90^\circ}$	15				
Tension	$f_{t, 0^\circ}$	10				
	$f_{t, 90^\circ}$	6				
Compression	$f_{c, 0^\circ}$	12,5				
	$f_{c, 90^\circ}$	7,5				
Shearing	f_v	4,3				
	f_r	0,7				
Characteristic stiffness (N/mm ²)						
Bending	$E_{m, 0^\circ}$	4000				
	$E_{m, 90^\circ}$	2500				
Tension	$E_{t, 0^\circ}$	2000				
	$E_{t, 90^\circ}$	1250				
Compression	$E_{c, 0^\circ}$	3200				
	$E_{c, 90^\circ}$	2000				
Shearing	Gv	360				
	Gr	22				
Embedment Strength (N/mm ²)		Bolt 4.0 mm	Bolt 8.0 mm	Bolt 12.0 mm	EN 383	
		38,3	29,9	27,5		
Mechanical durability (medium duration of load)						
Modification coefficient Km od	Service class 1	0,80			EN 1995-1-1	
	Service class 2	0,80				
Deformation Coefficient Kdef	Service class 1	0,80				
	Service class 2	1,00				
Biological durability		Declared: Class of risk 2			EN 335/EN 1099	
Content of pentachlorophenol (PCP) (Test not required)		PCP ≤ 5 ppm			EN 13986:2004 Section 5.18	
Emission Class for Building Materials		M1			ISO 16000-9:2006, EN 16516:2017	

The performance of the product (products) is in conformity with the declared performance
This declaration of performance is issued the sole responsibility of the manufacturer, identified above.
Signed for and on behalf of the manufactured by:

Viviana Lillo Garrido
Boss of Processes and Quality
Mininco, Chile June 01th, 2022


 VIVIANA LILLO GARRIDO
 15.207.623-1
 JEFE CONTROL CALIDAD Y LABORATORIO
 CMPC MADERAS S.A. - PLANTA PLYWOOD