Declaration of Performance for product Plywood 21mm DoP-N° 000002

1.	Identification code:	EN_636-2-S_21mm
2.	Batch-/ Serial number	**21mm/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**

8. Declared performance

Essential characteristcs		Performance	Harmonized technical specification
Bending strength			ITT According to EN 310
parallel	(N/mm2)	36	
perpendiculare	(N/mm2)	25	
Bending stiffness (Modulus of Elasticity)			
parallel	(N/mm2)	4710	
perpendiculare	(N/mm2)	2620	
Classification according to EN 636		F20/15 E40/25	EN 636
Bonding quality		Class 3	ITT (EN 314-1/2)
Durability (Moisture resistance)	(N/mm2)	1,02	EN 314-1/2 Section 5.6.5
Moisture Content (Up to 14)	(%)	11,9	EN 322
Density Minimum 450	(Kg/m3)	522	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/mm2)			EN 12369-2
Bending	$f_{m,0^o}$	20	
	$f_{m,90^o}$	15	
Tension	$f_{t,0^o}$	8	
	$f_{t,90^o}$	6	
Compression	$f_{c,0^o}$	10	
	$f_{c,90^o}$	7,5	
Shearing	f_v	4,3	
	f_r	0,7	
Characteristic stiffness (N/mm2)			
Bending	Em, 0º	4000	
	Em, 90º	2500	
Tension	Et, 0º	2000	
	Et, 90º	1250	
Compression	Ec, 0º	3200	
	Ec, 90º	2000	
Shearing	Gv	360	
	Gr	22	
Embedment Strength (N/mm2)		Bolt 6.0 mm: 30,6 / Bolt 10.0 mm: 27,9 / Bolt 14.0 mm: 27,1	EN 383
Mechanical durability (medium duration of load)			EN 1995-1-1
Modification coefficient Kmod	Service class 1	0,80	
	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 responsability of the manufacturer, identified above.
Signed for and on behalf of the manufactured by:

Viviana Lillo Garrido
Head of Processes and Quality
Mininco, Chile August 01th, 2022

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