Declaration of Performance
for product Plywood 18mm/2 T&G
DoP-N° 000004a

1.	Identification code:	EN_636-2-S_18mm
2.	Batch-/ Serial number	Technical File N°: 02-07-12-17 **18mm/7ply** Grade II-II / II-III / II-IV /III-III
3.	Intended use:	Internal use as structural components in humid conditions Structural floor decking on joists Structural roof decking on joists Structural wall sheathing on studs
4.	Harmonized technical specification	EN 13986:2004
5.	Manufacturer / Country	**CMPC Maderas S.A** / Avenida Alemania 751 Los Angeles Chile / Tel. 56 (2) 2441 2814 / Email: woodsales@cmpc.cl
	Authorised representative	**Patricio Díaz-Valdés R.**/ Sales Manager-Europe / Tel. 56 (2) 24412848 / Email: patricio.diaz-valdes@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-1677/1/2014

8. Declared performance

Essential characteristcs		Performance		Harmonized technical specification
Bending strength parallel perpendiculare	 (N/mm2) (N/mm2)	 42 27		ITT According to EN 310
Bending stiffness (Modulus of Elasticity) parallel perpendiculare	 (N/mm2) (N/mm2)	 4742 2373		
Classification according to EN 636		F25/15 E40/20		EN 636
Bonding quality		Class 3		ITT (EN 314-1/2)
Durability (Moisture resistance)	(N/mm2)	1,08		EN 314-1/2 Section 5.6.5
Moisture Content (Up to 14)	(%)	10,0		EN 322
Density Minimum 450	(Kg/m3)	507		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	$f_{m,0°}$	25		
	$f_{m,90°}$	15		
Tension	$f_{t,0°}$	10		
	$f_{t,90°}$	6		
Compression	$f_{c,0°}$	12,5		
	$f_{c,90°}$	7,5		
Shearing	f_v	4,3		
	f_r	0,7		
Characteristic stiffness (N/mm2)				
Bending	$E_{m,0°}$	4000		
	$E_{m,90°}$	2000		
Tension	$E_{t,0°}$	2000		
	$E_{t,90°}$	1000		
Compression	$E_{c,0°}$	3200		
	$E_{c,90°}$	1600		
Shearing	G_v	360		
	G_r	22		
Characteristic strength under point load		Floor	Roof	EN 12871
ultimate	Fmax (N)	3742	4371	
service ability	Fser (N)	3428	4371	
Characteristic stiffness under point load	R (N/mm)	358	95	
Impact resistance		Fulfilled		
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

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:

Fabian Oporto Lagos
Quality Control Manager

Mininco, Chile March 25th, 2014

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