



**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
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 S.A / Avenida Alemania 751 Los Angeles Chile / Tel. +56 (2) 2441 2814 / Email: woodsales@cmcp.cl
5.	Authorised representative	Juan Pablo Pereira S./ Sales Manager-Europe / Tel. +56 (2) 24412879 / Email: jpereira@gerencia.cmcp.cl
6.	System of Assessment and verification of constancy of performance (AVCP)	System 2+
7.	Notified body:	HFB Engineering GmbH - 1034 -
7.	Certificate N°	1034-CPR-1677/1/2017

8. Declared performance			
Essential characteristics	Performance	Harmonized technical specification	
Bending strength parallel (N/mm <sup>2</sup> ) perpendicular (N/mm <sup>2</sup> )	36 25	ITT According to EN 310	
Bending stiffness (Modulus of Elasticity) parallel (N/mm <sup>2</sup> ) perpendicular (N/mm <sup>2</sup> )	4710 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/mm <sup>2</sup> )	1,02	EN 314-1/2 Section 5.6.5	
Moisture Content (Up to 14) (%)	11,9	EN 322	
Density Minimum 450 (Kg/m <sup>3</sup> )	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/mm <sup>2</sup> )			
Bending $f_m, 0^\circ$	20	EN 12369-2	
$f_m, 90^\circ$	15		
Tension $f_t, 0^\circ$	8		
$f_t, 90^\circ$	6		
Compression $f_c, 0^\circ$	10		
$f_c, 90^\circ$	7,5		
Shearing $f_v$	4,3		
$f_r$	0,7		
Characteristic stiffness (N/mm <sup>2</sup> )			
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 $G_v$	360		
$G_r$	22		
Mechanical durability (medium duration of load)			
Modification coefficient Kmod	Service class 1	EN 1995-1-1	
	Service class 2		
Deformation Coefficient Kdef	Service class 1		
	Service class 2		
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 responsibility of the manufacturer, identified above.  
Signed for and on behalf of the manufactured by:

Juan Figueroa Elgueta  
Deputy Manager of Quality, Programming and Production Control  
Mininco, Chile July 28th, 2017

**JUAN FIGUEROA E.**  
Subgerente de Calidad  
Programación y Control Producción  
Planta Plywood

**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
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 S.A / Avenida Alemania 751 Los Angeles Chile / Tel. +56 (2) 2441 2814 / Email: woodsales@cmpe.cl
	Authorised representative	Juan Pablo Pereira S./ Sales Manager-Europe / Tel. +56 (2) 24412879 / Email: jpereira@gerencia.cmpe.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 characteristics	Performance	Harmonized technical specification
Bending strength parallel (N/mm <sup>2</sup> )	43	ITT According to EN 310
Bending strength perpendicular (N/mm <sup>2</sup> )	26	
Bending stiffness (Modulus of Elasticity) parallel (N/mm <sup>2</sup> )	4760	
Bending stiffness (Modulus of Elasticity) perpendicular (N/mm <sup>2</sup> )	2540	
Classification according to EN 636	F25/15 E40/25	EN 636
Bonding quality	Class 3	ITT (EN 314-1/2)
Durability (Moisture resistance) (N/mm <sup>2</sup> )	1,22	EN 314-1/2 Section 5.6.5
Moisture Content (Up to 14) (%)	11,0	EN 322
Density Minimum 450 (Kg/m <sup>3</sup> )	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 <sup>2</sup> )		EN 12369-2
Bending $f_m, 0^\circ$	25	
Bending $f_m, 90^\circ$	15	
Tension $f_t, 0^\circ$	10	
Tension $f_t, 90^\circ$	6	
Compression $f_c, 0^\circ$	12,5	
Compression $f_c, 90^\circ$	7,5	
Shearing $f_v$	4,3	
Shearing $f_r$	0,7	
Characteristic stiffness (N/mm <sup>2</sup> )		
Bending $E_m, 0^\circ$	4000	
Bending $E_m, 90^\circ$	2500	
Tension $E_t, 0^\circ$	2000	
Tension $E_t, 90^\circ$	1250	
Compression $E_c, 0^\circ$	3200	
Compression $E_c, 90^\circ$	2000	
Shearing $G_v$	360	
Shearing $G_r$	22	
Mechanical durability (medium duration of load)		EN 1995-1-1
Modification coefficient $K_{mod}$ Service class 1	0,80	
Modification coefficient $K_{mod}$ Service class 2	0,80	
Deformation Coefficient $K_{def}$ Service class 1	0,80	
Deformation Coefficient $K_{def}$ 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

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Mininco, Chile July 28th, 2017

  
**JUAN FIGUEROA E.**  
 Subgerente de Calidad  
 Programación y Control Producción  
 Planta Plywood




**Declaration of Performance  
for product Plywood 12mm/2  
DoP-N° 000008**

1.	Identification code:	EN 636-2-S 12mm	
2.	Batch-/ Serial number	12mm/5ply Grade II-II / II-III / II-IV /III-III	
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 S.A / Avenida Alemania 751 Los Angeles Chile / Tel. +56 (2) 2441 2814 / Email: woodsales@cmpc.cl	
	Authorised representative	Juan Pablo Pereira S./ Sales Manager-Europe / Tel. +56 (2) 24412879 / Email: jpereira@gerencia.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		
	<b>Essential characteristics</b>	<b>Performance</b>	<b>Harmonized technical specification</b>
	Bending strength parallel (N/mm2)	52	ITT According to EN 310
	Bending strength perpendicular (N/mm2)	24	
	Bending stiffness (Modulus of Elasticity) parallel (N/mm2)	5990	
	Bending stiffness (Modulus of Elasticity) perpendicular (N/mm2)	1950	
	Classification according to EN 636	F30/15 E50/15	EN 636
	Bonding quality	Class 3	ITT (EN 314-1/2)
	Durability (Moisture resistance) (N/mm2)	1,2	EN 314-1/2 Section 5.6.5
	Moisture Content (Up to 14) (%)	10,6	EN 322
	Density Minimum 450 (Kg/m3)	540	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 $f_m, 0^\circ$	30	
	Bending $f_m, 90^\circ$	15	
	Tension $f_t, 0^\circ$	12	
	Tension $f_t, 90^\circ$	6	
	Compression $f_c, 0^\circ$	15	
	Compression $f_c, 90^\circ$	7,5	
	Shearing $f_v$	4,3	
	Shearing $f_r$	0,7	
	Characteristic stiffness (N/mm2)		
	Bending $E_m, 0^\circ$	5000	
	Bending $E_m, 90^\circ$	1500	
	Tension $E_t, 0^\circ$	2500	
	Tension $E_t, 90^\circ$	750	
	Compression $E_c, 0^\circ$	4000	
	Compression $E_c, 90^\circ$	1200	
	Shearing $G_v$	360	
	Shearing $G_r$	22	
	Mechanical durability (medium duration of load)		EN 1995-1-1
	Modification coefficient $K_{mod}$ Service class 1	0,80	
	Modification coefficient $K_{mod}$ Service class 2	0,80	
	Deformation Coefficient $K_{def}$ Service class 1	0,80	
	Deformation Coefficient $K_{def}$ Service class 2	1,00	
	Biological durability	Declared: Class of risk 2	EN 335/EN 1099
	Content of pentachlorophenol (PCP) (Test not required)	PCP $\leq$ 5 ppm	EN 13986:2004 Section 5.18

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