DECLARATION OF PERFORMANCE

001DoP2013-06-21

1. Unique identification code of the product-type	MADERAS ARAUCO RADIATA PINE SOFTWOOD PLYWOOD
2.Type, batch or serial number or other id	Radiata pine softwood plywood Thickness ≥ 8.1 mm and density ≥ 450 kg/m^3
3. Intended use or uses of the construction product	Internal use as: - Structural components in dry or humid conditions - Structural floor decking on joists in dry conditions - Structural roof decking on joists in dry or humid conditions
4. Name	Maderas Arauco S.A Los Horcones s/no P.O Box 167 Arauco - Chile
5. Name and address of the authorised representative	Not relevant
6. System of assessment and verification of constancy of performance	System 2+

7. Tasks for the notified body(s)

Dancert A/S - 1073 has performed *initial inspection of the manufacturing plant and factory production control and continuous surveillance, assessment and evaluation of factory production control* under system 2+ and issued a *certificate of conformity of the factory production control (1073-CPD-801).*

Danish Institute of Fire and Sucurity Technology - 0845 has performed *initial type testing of Reaction to fire performance* on 8 mm plywood and issued a *Classification report, documented in file: PC10139 dated 2007-06-12* .

8. DECLARAD PERFOMANCE ARAUCO
Harmonized technical specification EN 13986:2004

ESSENTIAL CHARACTERISTICS	PERFOMANCE - ARAUCOPLY	
Bonding quality EN 314-2	Class 3	
Release of formaldehyde EN 717-2	E1	
Reaction to fire - table 8	D-s2,d0, D_{fl}-s1	
Thermal conductivity - table 11	0,11 W/mK	
Water vapour permeability - table 9	Wet cup µ	Dry cup µ
	60	180
Sound absorption coefficient - table 10	0,10 (250 to 500 Hz) 0,30 (1000 to 2000 Hz)	
Impact resistance - EN 1195 / EN 12871	SEE: Guidance for Installation Flooring and Roofing 2T&G	
Strength and stiffness under point load - EN 1195 / EN 12871	SEE: Guidance for Installation Flooring and Roofing 4T&G	
Strength and stiffness for structural use - EN 789	EN 1058/EN789 Characteristic Strength, Stiffness and Density Values for Structural Design	
Mechanical durability - EN 1995-1-1	Kmod and kdef is to be taken from EN 1995-1-1	
Content of pentachlorophenol	< 5 ppm	
Biological durability - EN 335, CN/TS 1999:2007	Uncoated or overlaid	Use class 1 and 2
	Overlaid and edges protected	Use class 1 and 2
The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

Mr. Cristian Chacana, Mill Manager
(name and function)

Chile, September, 06-2016
(place and date of issue) *(signature)*

MADERAS ARAUCO S.A.

DECLARAD PERFOMANCE ARAUCO

Harmonized technical specification EN 13986:2004

ESSENTIAL CHARACTERISTICS	

		Nominal thickness (mm) / Number of plies						
Strength and stiffness for structural use:		9 3	12 5	15 5	18 7	21 7	25 9	30 11
Characteristic bending strength (N/mm²)	|	16.4	22.1	23	17.5	11.3	11	8.7
	-	1.3	4.4	5	5.4	4.6	4.1	5.2
Mean modulus of elasticity in bending (N/mm²)	|	5393	5452	5576	3940	3984	3991	3268
	-	192	1604	1548	2576	1501	1494	2165
Characteristic compression strenght (N/mm²)	|	8.7	11.2	10.4	9	7.4	7.9	6.4
	-	2.9	3.5	3.5	4.5	3.8	3.4	4.5
Characteristic tension strength (N/mm²)	|	8.7	11.2	10.4	9	7.4	7.9	6.4
	-	2.9	3.5	3.5	4.5	3.8	3.4	4.5
Mean modulus of elasticity in comp./tension (N/mm²)	|	3696	3648	3945	3039	3168	3370	2727
	-	1716	2533	2521	3000	2206	2019	2616
Characteristic panel shear strenght (N/mm²)	|	7.2						
	-	7.2						
Mean modulus of rigidity in panel shear(N/mm²)	|	700						
	-	700						
Characteristic planar shear strength (N/mm²)	|	1.8						
	-	1.8						
Mean modulus of rigity in planar shear (N/mm²)	|	140						
	-	140						

|Parallel

- Perenpendicular