

Identification of product-type:	18mm Structural Plywood - Phenol-formaldehyde bonded softwood plywood
Intended use or uses of the construction product:	For use as a structural component in exterior conditions
Manufacturer:	Palmasola S/A – Madeiras e Agricultura Avenida Crestani, 515, Palma Sola/SC CEP 89985-000 Brazil E-mail: export@palmasola.com.br Phone: +55 49 3652 3000
System of assessment and verification of constancy of performance:	AVCP System 2+
Construction product covered by a harmonized standard:	Element B.V, Notified body No. 2812, performed initial and continuous inspections of FPC under system 2+ and issued the certificate of conformity of the FPC 2812-CPR-0022
Declared Performance:	Annex In accordance with the harmonized European Standard: EN 13986:2004+A1:2015 – <i>Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking</i> EN 636:2012+A1:2015 – <i>Plywood – Specification</i>

The performance of the product is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacture.

Signed for and on behalf of the manufacturer by:

Palmasola S/A – Madeiras e Agricultura
17th March, 2022


Marcelo Vissoto
Director of Operations
Palmasola S/A

Annex

Declared Performance			
Essential characteristics	Product Type	18mm	Harmonized technical specification
Bending strength (N/mm ²)	//	35	EN 310
	⊥	30	
Bending stiffness (MOE) (N/mm ²)	//	4258	
	⊥	3498	
Bonding quality		Class 3	EN 314
Durability (Moisture resistance) (%)		≤ 10%	EN 322
Mean Density (kg/m ³)		550	EN 323
Formaldehyde release (phenolic glue)		E1	EN 13986, Annex B
Reaction to fire (minimum density 400 kg/m ³)		D-s2, d0	taken from EN 13986, table 8
Water vapour permeability		NPD	-
Airborne sound insulation		NPD	-
Thermal conductivity W/(m · K)		NPD	-
Bending strength classes		F 20/20	EN 636, tables 1 and 2
Modulus of elasticity in bending classes		E 40/35	
Characteristic ¹⁾ bending strength for structure use (N/mm ²)	//	20	EN 12396-2, tables 2 and 3
	⊥	20	
Mean bending stiffness ²⁾ (MOE) for structure use (N/mm ²)	//	4000	
	⊥	3000	
Mechanical durability		NPD	-
Biological durability		Hazard class 2	-
Content of pentachlorophenol		< 5 ppm	taken from EN 13986
1) The characteristic values are as specified in EN 12369-2:2004 and shall be modified for the given Service Class as described in EN 1995-1-1 using the relevant k _{mod} and k _{def} modification factors			
2) The characteristic value for Stiffness shall be taken as 0.67 times the mean value above			