



DECLARATION OF PERFORMANCE

Nr: 002 REV.1

Identification of product-type: Structural Plywood - Phenol-formaldehyde bonded Pine plywood

Intended use or uses of the construction product: For use as a structural component in internal dry, internal humid.

Manufacturer: Compensados e Laminados Lavrasul SA
Rua São José 870 Centro
CEP 89545000
Timbó Grande SC
Brazil

System of assessment and verification of constancy of performance: AVCP System 2+

Construction product covered by a harmonized standard: BM Certification, Notified body No. 2358, performed initial and continuous inspections of FPC under system 2+ and issued the certificate of conformity of the FPC 2358-CPR-0369

Declared Performance: Annex

In accordance with the harmonized European Standard:

EN 13986:2004+A1:2015 – Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking

EN 636:2012+A1:2015 – Plywood – Specification

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.

REVISED: Timbó Grande, 14th September 2023

Signed for and on behalf of the manufacturer by:
ALDAIR CAVALHEIRO GUEDES



Annex



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Declared Performance						
Essential characteristics	Product Type	09mm (5)	12mm (5)	18mm (5)	18mm (7)	Harmonized technical specification
Characteristic bending strength (N/mm²)	Parallel	32,93	29,27	17,72	23,27	EN 310
	Perpendicular	12,75	13,73	16,79	19,30	
Characteristic stiffness (MOE) (N/mm²)	Parallel	2.413,42	3.634,21	3.458,28	3.711,23	
	Perpendicular	1.268,75	1.861,56	1.807,11	3.394,47	
Classification		F20/5	F15/5	F10/10	F15/10	EN 636-2
		E25/10	E40/20	E35/20	E40/35	
Bonding quality		Class 3				EN 314-2
Durability (Moisture resistance) (%)		12	12	10	9	EN 322
Mean Density (kg/m³)		553	532	505	514	EN 323
Formaldehyde release (phenolic glue)		E1				EN 13986, Annex B
Reaction to fire (minimum density 400 kg/m³)		D-S2,d0				taken from EN 13986, table 8
Water vapour permeability (mean density 500 kg/m³)	Wet cup µ	70				taken from EN 13986, table 9
	Dry cup µ	200				
Airborne sound insulation		NPD				-
Sound Absorption	250 Hz to 500 Hz	0,10				taken from EN 13986, table 10
	1000 Hz to 2000 Hz	0,30				
Thermal conductivity W/(m · K) (mean desity 500 kg/m³)		0,13				taken from EN 13986, table 11
¹ Characteristic bending strength for structure use (N/mm²)	Parallel	20,88	17,70	15,36	18,28	EN 789 and EN 1058
	Perpendicular	9,21	12,25	8,90	11,86	
Mean stiffness (MOE) for structural use (N/mm²)	Parallel	4.939,07	4.625,25	3.907,45	3.539,98	
	Perpendicular	1.750,80	2.419,55	1.974,74	2.696,59	
¹ Characteristic compression strength for structure use (N/mm²)	Parallel	16,69	12,53	12,59	13,45	
	Perpendicular	10,78	13,20	13,15	14,80	
Mean compression stiffness (MOE) for structural use (N/mm²)	Parallel	5.157,83	4.363,92	4.052,97	3.741,63	
	Perpendicular	4.272,14	4.901,67	4.917,47	4.911,10	
Mechanical durability		NPD				-
Biological durability		Class 5				taken from EN 335/EN 1099
Content of pentachlorophenol		<5 ppm				taken from EN 13986

¹Normal distributed test data.

NPD - No Performance Determined