

## Declaration of Performance

Number DOP.MLL.06.EN

### 1. Name and ID code

#### **Laudio Pine Plus**

*Plywood of pine and Eucalyptus Globulus, glued PF for exterior application.*

### 2. Intended use

- For internal use as a structural component in dry conditions, EN 636-1.
- For protected external use as a structural component in humid conditions, EN 636-2.

### 3. Name and address of manufacturer

Company name:  
GRUPO GARNICA PLYWOOD, S.A.U.  
Parque San Miguel, 10 bajos  
Logroño, La Rioja (Spain)

Manufacturing site:  
MADERAS DE LLODIO, S.A.U.  
Polígono Ind. Santa Cruz s/n  
01400 Llodio, Álava (Spain)

### 5. Assessment and verification of constancy of performance system

System 2+

### 6. Notified body

- Notified body: AENOR (No. 0099)
- Certificate of compliance control factory production: 0099/CPR/A65/0005

## 7. Declared performance

Characteristic values		Performance									Technical specification	
Thickness		9mm	12mm	12mm	15mm	18mm	21mm	24mm	27mm	30mm		
Nº of layers		5	5	7	7	9	9	11	13	13		
Resistant properties EN 789	Bending	Average $f_m \parallel$ (N/mm <sup>2</sup> )	58,6	36,1	40,5	40,3	36,4	40,4	35,6	37,5	39,4	EN 13986:2006+A1:2015
		$y_{05} f_m \parallel$ (N/mm <sup>2</sup> )	38,0	23,4	29,8	26,6	23,5	31,0	25,8	27,6	33,3	
		Average $f_m \perp$ (N/mm <sup>2</sup> )	61,8	32,0	56,3	52,1	57,7	51,6	48,9	54,2	46,1	
		$y_{05} f_m \perp$ (N/mm <sup>2</sup> )	46,1	23,6	37,0	35,0	40,1	33,9	30,5	36,3	30,4	
Modulus of Elasticity properties EN 789	Bending	Average $E_m \parallel$ (N/mm <sup>2</sup> )	12551	8522	8442	8615	7851	7632	8091	8202	8528	
		$y_{05} E_m \parallel$ (N/mm <sup>2</sup> )	6546	6504	6579	6263	5216	5754	6240	5819	6592	
		Average $E_m \perp$ (N/mm <sup>2</sup> )	8990	4383	9597	7990	9354	8053	8590	9420	8817	
		$y_{05} E_m \perp$ (N/mm <sup>2</sup> )	6769	3468	5763	3323	7571	5823	6585	7971	6443	
Bonding quality EN 314		Class 1, Class 2									EN 13986:2006+A1:2015	
Formaldehyde release EN 12460-3		E1 ( $\leq 3,5$ mg/h·m <sup>2</sup> )										
Pentachlorophenol content		< 5 ppm										
Reaction to fire (according to table 8 EN13986)		$\geq 9$ mm D s2,d0 / D FL, S1 <9mm NPD										
Water vapour permeability (according to table 9 EN 13986)		Wet: 60 $\mu$ Dry: 175 $\mu$										
Sound absorption (according to table 10 EN 13986)		Frequency range: 250 Hz to 500 Hz: 0.10 Frequency range: 1000 Hz to 2000 Hz: 0.30										
Thermal conductivity ( $\lambda$ ) (according to table 11 EN 13986)		0.11 W/(m·K)										

Characteristic values obtained according to EN 1058 procedures, from test results as per EN 789.

In compliance with EN 13986:2004+A1:2015

The performance of the product identified in point 1 is in conformity with the declared performance in point 7.

Pública

This declaration of performance is issued, according to Rule (UE) nº 305/2011, under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer:



Logroño, 15<sup>th</sup> April 2024

Bruno Martínez, COO (Chief Operating Officer)