

**Declaration of Performance**

Number DOP.GAR.30.EN

1. Name - identification code of the product-type

**Efficiency Poplar / Performance Poplar / Performance Ewood**  
*Poplar Plywood*

2. Intended use of the construction product

- a) Bond quality class 1: For internal use as a structural component in dry conditions EN 636-1
- b) Bond quality class 2: For use, see a) and for protected external use as a structural component in humid conditions EN 636-2
- c) Bond quality class 3: For use, see a) and b) and also for external use as a structural component. Only weather-proof if correctly coated & edge-sealed EN 636-3.

*(Check bond quality on invoices & product label)*

3. Name and contact address of the manufacturer:

Company name:

GRUPO GARNICA PLYWOOD, S.A.  
Parque San Miguel, 10 bajos  
Logroño (La Rioja) SPAIN

Manufacturing site:

GARNICA PLYWOOD FUENMAYOR, S.L.U.  
Ctra. Navarrete, 20  
26360 FUENMAYOR (La Rioja) SPAIN

GARNICA PLYWOOD VALENCIA DE DON JUAN,  
S.L.  
Ctra. Villafer, km. 2  
24200 VALENCIA DE DON JUAN (León) SPAIN

GARNICA PLYWOOD BAÑOS DE RIO TOBIA,  
S.A.U. (I)  
Camino de Berceo, s/n  
26320 BAÑOS DE RÍO TOBÍA (La Rioja) SPAIN

GARNICA PLYWOOD BAÑOS DE RIO TOBIA,  
S.A.U. (II)  
Ctra. De Lerma, km. 376  
26320 BAÑOS DE RÍO TOBÍA (La Rioja) SPAIN

5. System of assessment of constancy of performance  
AVCP system 2+

6. Certification body details:

- Certification body: AENOR (No. 0099)
- Certificates of constancy of performance:

GARNICA PLYWOOD FUENMAYOR, S.L.U.	0099/CPR/A65/0050
GARNICA PLYWOOD VALENCIA DE DON JUAN, S.L.	0099/CPR/A65/0048
GARNICA PLYWOOD BAÑOS DE RIO TOBIA, S.A.U. (I)	0099/CPR/A65/0047
GARNICA PLYWOOD BAÑOS DE RIO TOBIA, S.A.U. (II)	0099/CPR/A65/0048

7. Declared Performance:

Characteristic values			Performance			Technical specification
Thickness			6 – 10mm	11 – 20mm	21 – 50mm	
Nº of layers			3-5	5-11	11-25	
Resistant properties	Bending	$f_m \parallel$ (N/mm <sup>2</sup> )	20,7	16,5	15,5	EN 13986:2006+A1:2015
		$f_m \perp$ (N/mm <sup>2</sup> )	14,7	18,7	19,3	
	Compression	$f_c \parallel$ (N/mm <sup>2</sup> )	12,6	13,9	14,5	
		$f_c \perp$ (N/mm <sup>2</sup> )	18,4	14,6	17,5	
	Traction	$f_t \parallel$ (N/mm <sup>2</sup> )	5,1	5,6	5,9	
		$f_t \perp$ (N/mm <sup>2</sup> )	7,5	5,9	7,1	
	Panel shear	$f_v$ (N/mm <sup>2</sup> )	4,1	4,1	4,1	
Planar shear	$f_r$ (N/mm <sup>2</sup> )	0,7	0,7	0,7		
Modulus of Elasticity properties	Bending	$E_m \parallel$ (N/mm <sup>2</sup> )	3328	3061	2952	
		$E_m \perp$ (N/mm <sup>2</sup> )	2346	2988	3596	
	Compression	$E_c \parallel$ (N/mm <sup>2</sup> )	2600	2852	2983	
		$E_c \perp$ (N/mm <sup>2</sup> )	3788	3000	3598	
	Traction	$E_t \parallel$ (N/mm <sup>2</sup> )	2600	2852	2983	
		$E_t \perp$ (N/mm <sup>2</sup> )	3788	3000	3598	
	Panel shear	$G_v$ (N/mm <sup>2</sup> )	349	349	349	
	Planar shear	$G_r$ (N/mm <sup>2</sup> )	16	16	16	
Bonding quality (for intended uses)			Class 1			
			Class 2			
			Class 3			
Formaldehyde release			E1 ( $\leq 3,5$ mg/h·m <sup>2</sup> )			
Reaction to fire (according to table 8 EN13986)			$\geq 9$ mm D s2,d0 / D FL, S1 <9mm NPD			
Pentachlorophenol content			< 5 ppm			
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 326-2 procedures, from test results as per EN 310.

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.

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, 2<sup>nd</sup> May 2022

Bruno Martínez, COO (Chief Operating Officer)