

Declaration of Performance

Number DOP.GAR.41.EN

1 and 2. Name - identification code of the product-type

Efficiency Poplar Naturbind

Poplar Plywood

3. Intended use of the construction product

- a) Bond quality class 1: for interior use as a structural component in dry conditions according to EN 636-1.
- b) Bond quality class 2: intended use as in a) and in protected applications under cover, not exposed to the weather, as a structural component in humid conditions according to EN 636-2.
- c) Bond quality class 3: intended use as in a) and b), and also for exterior use above ground and exposed to the weather as a structural component, always subject to surface coating and edge protection according to EN 636-3.

(Check bond quality on invoices & product label)

4. Name and contact address of the manufacturer:

Company name and contact details:

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

6. System of assessment of constancy of performance

AVCP system 2+

7. Certification body details:

- Certification body: AENOR CONFIA S.A.U. (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/A65/0046

9. Declared Performance:

Characteristic values			Prestaciones			Technical specification
Thickness			6-10 mm	11-20 mm	21-50 mm	
Nº of layers			5	7-9	9-15	
Resistant properties EN 326-2	Flexion		Average $f_m \parallel$ (N/mm²)	37,8	34,6	30,1
			y_{05} $f_m \parallel$ (N/mm²)	24,8	24,6	20,8
			Average $f_m \perp$ (N/mm²)	39,2	36,6	37,2
			y_{05} $f_m \perp$ (N/mm²)	25,9	25,8	27,0
Modulus of Elasticity properties EN 326-2	Flexion		Average $E_m \parallel$ (N/mm²)	4088	4051	3748,0
			y_{05} $E_m \parallel$ (N/mm²)	2846	3035	2837,6
			Average $E_m \perp$ (N/mm²)	3689	4114	4538,9
			y_{05} $E_m \perp$ (N/mm²)	2339	2947	3503,9
Resistant properties EN 12369-2	Flexion		$f_{m,05} \parallel$	F15	F15	F10
			$f_{m,05} \perp$	F15	F15	F15
	Traction		$f_{t,05} \parallel$	6,0	6,0	4,0
			$f_{t,05} \perp$	7,5	7,5	7,5
	Compression		$f_{c,05} \parallel$	6,0	6,0	4,0
			$f_{c,05} \perp$	7,5	7,5	7,5
	Panel	shear	f_v	2,7	2,7	2,7
	Planar		f_r	0,5	0,5	0,5
Modulus of Elasticity properties EN 12369-2	Flexion		$E_{m,50} \parallel$	E30	E30	E30
			$E_{m,50} \perp$	E25	E30	E35
	Traction		$E_{t,50} \parallel$	1500	1500	1500
			$E_{t,50} \perp$	2000	2400	2800
	Compression		$E_{c,50} \parallel$	1500	1500	1500
			$E_{c,50} \perp$	2000	2400	2800
	Panel	shear	G_v	270	270	270
	Planar		G_r	11	11	11
Bond quality (for intended uses)			Class 1			
			Class 2			
			Class 3			
Density kg/m³ (average)			439	442	433	
Withdrawal of screws N (average face)			1671	2040	2000	
Formaldehyde release			E1 (≤3,5 mg/h·m²)			
Pentachlorophenol content			< 5 ppm			
Reaction to fire (According to table 8 EN 13986)			≥9mm D s2,d0 / D FL, S1 <9mm NPD			
Water vapour permeability (According to table 9 EN 13986)			Wet: 60 μ Dry: 175 μ			
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 (λ) (According to table 11 EN 13986)			0.11 W/(m·K)			

EN 13986:2004+A1:2015

Characteristic values obtained according to the procedure of the EN 326-2 standard, from test results according to EN 310

In compliance with EN 13986:2004+A1:2015

10. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 9.

Other performance declared:

Characteristics	Performance	Reference standard
Emission Class COV	A+	Tested in accordance with ISO 16000 Classification according to DEVL1101903D and DEVL1104875A
Formaldehyde release	CARB Phase 2	Table 1, section 93120.2 of Phase 2, California ARB
	TSCA Title VI compliant	TSCA Title VI. Sección 770.10 (b).
	≤ 0,05ppm	EN 717-1 Compliant with Appendix 1 to the German Chemicals Prohibition Ordinance (Chem-Verbots)

Other information available in website (Best practices, Safety Data Sheet, etc.): www.garnica.one/en

This declaration of performance is issued, according to Rule (UE) nº 305/2011, under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer:



Logroño, 15th April 2025

Marta Cepero, CPQO (Chief Procurement and Quality Officer)