

Declaration of Performance

Number DOP.GAR.61.EN

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

Fireshield Building

Fire rated full 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. For this type of service, a surface coating and edge protection are required to ensure that the board does not lose its fire reaction properties.

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

GARNICA PLYWOOD BAÑOS DE RÍO TOBÍA, S.A.U.
Ctra. De Lerma, km 56
26320 BAÑOS DE RÍO TOBÍA (La Rioja). SPAIN

6. System of assessment of constancy of performance

AVCP system 1

7. Certification body details:

- Certification body: AENOR CONFIA S.A.U. (No. 0099)
- Certificate of constancy of performance:

GARNICA PLYWOOD VALENCIA DE DON JUAN, S.L.	0099/CPR/A65/0049
GARNICA PLYWOOD BAÑOS DE RIO TOBIA, S.A.U.	0099/CPR/A65/0052

9. Declared performance:

Characteristic values			Performance					Technical specification
Thickness			4-7 mm	8-10 mm	10-15 mm	15-25 mm	25-45 mm	
Nº of layers			3-5	5	7	9-11	13-19	
Resistant properties EN 326-2	Flexion		Average $f_m \parallel$ (N/mm²)	55.0	46.5	38.4	35.9	31.7
			$f_m \parallel^{Y05}$ (N/mm²)	38.5	34.9	28.1	26.3	18.9
			Average $f_m \perp$ (N/mm²)	27.7	34.0	34.6	36.0	29.3
			$f_m \perp^{Y05}$ (N/mm²)	23.3	25.5	22.5	26.4	27.0
Modulus of Elasticity properties EN 326-2	Flexion		Average $E_m \parallel$ (N/mm²)	6529	5316	4590.5	4479.8	4427.4
			$E_m \parallel^{Y05}$ (N/mm²)	5306	3858	3495.1	3429.3	2518.4
			Average $E_m \perp$ (N/mm²)	2448	3220	3741.6	4318.7	4224.9
			$E_m \perp^{Y05}$ (N/mm²)	1751	1974	2618.0	3318.8	3208.3
Resistant properties EN 12369-2	Flexion		$f_{m,05} \parallel$	F25	F20	F15	F15	F10
			$f_{m,05} \perp$	F15	F15	F10	F15	F15
	Traction		$f_{t,05} \parallel$	10.0	8.0	6.0	6.0	4.0
			$f_{t,05} \perp$	7.5	7.5	5.0	7.5	7.5
	Compression		$f_{c,05} \parallel$	10.0	8.0	6.0	6.0	4.0
			$f_{c,05} \perp$	7.5	7.5	5.0	7.5	7.5
	Panel	shear	f_v	3.5	3.5	3.5	3.5	3.5
	Planar		f_r	0.6	0.6	0.6	0.6	0.6
Modulus of Elasticity properties EN 12369-2	Flexion		$E_{m,50} \parallel$	E50	E40	E35	E35	E25
			$E_{m,50} \perp$	E15	E20	E25	E35	E35
	Traction		$E_{t,50} \parallel$	2500	2000	1750	1750	1250
			$E_{t,50} \perp$	1200	1600	2000	2800	2800
	Compression		$E_{c,50} \parallel$	2500	2000	1750	1750	1250
			$E_{c,50} \perp$	1200	1600	2000	2800	2800
	Panel	shear	Gv	310	310	310	310	310
	Planar		Gr	16	16	16	16	16
Bond quality (for intended uses)			Class 1					
			Class 2					
Density kg/m³ (average)			490	472	475	469	491	
Formaldehyde release*			E1 (≤3,5 mg/h·m²)					
Pentachlorophenol content			< 5 ppm					
Improved reaction to fire			≥ 4mm < 7mm B-s2,d0 ≥ 7mm ≤ 45mm B-s1,d0 (Tested according to EN 13501-1:2007)					
Water vapour permeability (Not tested. Performance according to table 9 EN 13986)			Wet: 60 μ Dry: 175 μ					
Sound absorption (Not tested. Performance 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) (Not tested. Performance 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 and applied to the EN 636 and EN 12369-2 standards.

End use applications:

Substrates: fire reaction classification valid on any substrate with reaction to fire classification A1 or A2-s1, d0, density $\geq 700 \pm 100 \text{ kg/m}^3$ and minimum thickness of 12mm.

Joints: Vertical joints allowed

Edge: Exposed edge allowed

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).
	$\leq 0.062 \text{ mg/m}^3$ and $\leq 0.05 \text{ ppm}$ as per EN 717-1	Compliant with Regulation REACH (EU) 2023/1464

* Products identified as E05 comply with reduced formaldehyde emissions of $\leq 0.05 \text{ ppm}$ ($\leq 0.062 \text{ mg/m}^3$) as measured in accordance with European Standard UNE-EN 717-1:2006, in accordance with EU Regulation 2023/1464 and meet the requirements of Class E1 (in accordance with EN 13986:2014).

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:

A blue ink signature is written over a rectangular stamp. The stamp contains the word 'garnica' in a stylized font, followed by 'GRUPO GARNICA RAWWOOD, S.A.' and 'Parque San Miguel, 10-10000 Logroño, La Rioja'.

Logroño, 1st May 2026

Bruno Martínez, COO (Chief Operating Officer)