

Declaration of Performance

Number DOP.GAR.61.EN

1. Name – identification code of the product-type

Fireshield Building

Fire rated full poplar plywood

2. Intended use of the construction product

- Bond quality class 1: For internal use as a structural component in dry conditions EN 636-1

(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 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

5. System of assessment of constancy of performance

AVCP system 1

6. Certification body details:

- Certification body: AENOR (No. 0099)
- Certificate of constancy of performance:
 - o 0099/CPR/A65/0049 – GARNICA PLYWOOD VALENCIA DE DON JUAN
 - o 0099/CPR/A65/0052 – GARNICA PLYWOOD BAÑOS DE RÍO TOBÍA

7. Declared performance:

Characteristic values*			Performance			Technical specification
Thickness			4-7mm	7-20mm	20-45mm	
Nº of layers			3-5	5-11	11-25	---
Resistant properties	Bending	$f_m \parallel$ (N/mm ²)	10	10	10	EN 13986:2006+A1:2015
		$f_m \perp$ (N/mm ²)	10	10	10	
	Compression	$f_c \parallel$ (N/mm ²)	4	4	4	
		$f_c \perp$ (N/mm ²)	5	5	5	
	Traction	$f_t \parallel$ (N/mm ²)	4	4	4	
		$f_t \perp$ (N/mm ²)	5	5	5	
Panel shear	f_v (N/mm ²)	4,3	4,3	4,3		
Planar shear	f_r (N/mm ²)	0,7	0,7	0,7		
Modulus of Elasticity properties	Bending	$E_m \parallel$ (N/mm ²)	2500	2500	2500	
		$E_m \perp$ (N/mm ²)	2500	2500	2500	
	Compression	$E_c \parallel$ (N/mm ²)	1250	1250	1250	
		$E_c \perp$ (N/mm ²)	2000	2000	2000	
	Traction	$E_t \parallel$ (N/mm ²)	1250	1250	1250	
		$E_t \perp$ (N/mm ²)	2000	2000	2000	
Panel shear	G_v (N/mm ²)	360	360	360		
Planar shear	G_r (N/mm ²)	22	22	22		
Bonding quality (for intended uses)			Class 1			
Formaldehyde release			E1 ($\leq 3,5$ mg/h·m ²)			
Reaction to fire			$\geq 4\text{mm} < 7\text{mm}$ B-s2,d0 $\geq 7\text{mm} \leq 45\text{mm}$ B-s1,d0 (Tested according to EN 13501-1:2007)			
Pentachlorophenol content			< 5 ppm			
Water vapour permeability			Wet: 60 μ Dry: 175 μ (Table 9 En 13986:2006+A1:2015)			
Sound absorption			Frequency range: 250 Hz to 500 Hz: 0.10 Frequency range 1000 Hz to 2000 Hz: 0.30 (Table 10 En 13986:2006+A1:2015)			
Thermal conductivity (λ)			0.11 W/(m·K) (Table 11 En 13986:2006+A1:2015)			
Density			440-600kg/m ³			

*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.

In compliance with EN 13986:2004+A1:2015

Other performance declared:

Characteristics	Performance	Reference standard
Emission Class COV	A	DEVL1104875A
Formaldehyde release	CARB Phase 2	Tabla 1, sección 93120.2 de Phase 2, California ARB
	TSCA Title VI compliant	TSCA Title VI. Sección 770.10 (b).
	$\leq 0,05\text{ppm}$	EN 717-1 Compliant with Appendix 1 to the German Chemicals Prohibition Ordinance (Chem-Verbots)

Additional information on technical test and intended use at: “Fireshield good practice”, available at www.garnica.one

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:



The image shows a blue ink stamp and a handwritten signature in blue ink. The stamp is rectangular and contains the following text: "garnica" in a stylized font, "GRUPO GARNICA RAWOOD, S.A." in a smaller font, and "Parque San Miguel, Logroño - 26007 Logroño, La Rioja" in the smallest font. The signature is written over the stamp and extends above and below it.

Logroño, 15th April 2024

Bruno Martínez, COO (*Chief Operating Officer*)