



18/10/2021

## DECLARATION OF PERFORMANCE Nº 00124

### FIBRAPLAST HIDROFUGO

Manufactured at: Finsa Padrón Paraíso s/n 15900 PADRÓN (ESPAÑA)	Manufactured at: Luso Finsa Estrada Nacional 234, Km 92.7 3524-952 NELAS (PORTUGAL)	Manufactured at: Finsa Fibranor Políg. Ind. de Rábade 27370 RÁBADE (ESPAÑA)	Manufactured at: Finsa Santiago Carretera N-550 km 57 15707 SANTIAGO DE COMPOSTELA (ESPAÑA)	Manufactured at: Finsa Cella I Partida de Hazas s/n 44370 CELLA (ESPAÑA)
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TECHNICAL CLASS	INTENDED USE	AVCP*
MFB EN 622-5 MDF.H	Internal use as nonstructural component in humid conditions	4

\*Assessment and verification of constancy of performance system according to Annex V of regulation (EU) No 305/2011

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#### TECHNICAL DATA-AVERAGE VALUES

Rev: 10/02/2016

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm						
			>2.5/4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/40
DENSITY (*)	EN 323	kg/m <sup>3</sup>	880/860	855/830	825/770	765/745	745/730	730/715	730/680
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0.90	0.85	0.80	0.80	0.75	0.75	0.70
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	27	27	27	26	24	22	21
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	2700	2700	2700	2500	2400	2300	2200
THICKNESS SWELLING 24 H	EN 317	%	30	18	12	10	8	7	7
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
FORMALDEHYDE EMISSION CLASS E1	EN ISO 12460-3	mg/(m <sup>2</sup> .h); mg/L	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	E	E	D-s2,d0 (**)	D-s2,d0 (**)	D-s2,d0 (**)	D-s2,d0	D-s2,d0
REACTION TO FIRE TABLA 8 EN EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	E	Dfl-s1 (****)	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	40	25	19	16	15	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm <sup>2</sup>	0.35	0.35	0.30	0.25	0.20	0.15	0.10
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.20	0.20	0.20	0.20	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.15	0.15	0.14	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD	25	25	28	30	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	21/31	20/30	18/28	17/27	16/25	15/24	15/24
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5	<5	<5	<5	<5

(\*) VALUES TO BE CONSIDERED AS A ROUGH GUIDE ONLY.

(\*\*) Minimum thickness 9mm. Mounted without an air gap behind the FIBRAPLAST HIDROFUGO. Mounted with a closed air gap not more than 22 mm behind the FIBRAPLAST HIDROFUGO classification D-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(\*\*\*) Mounted without an air gap behind the FIBRAPLAST HIDROFUGO, or with a closed air gap behind the FIBRAPLAST HIDROFUGO for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPLAST HIDROFUGO for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRAPLAST HIDROFUGO classification D-s2,d2 in thicknesses between 10 and 18 mm. Commission Decision 2007/348/EC

(\*\*\*\*) Minimum thickness 9 mm

(v\*) Thickness ≥15 mm and balanced recoverings.

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 4, Option 1. Requirements for boards for general use in humid conditions (Type MDF.H).

FIBRAPLAST HIDROFUGO meets Class E1 requirements defined in the European Standard EN 14322.

FIBRAPLAST HIDROFUGO is endorsed by AITIM Quality Label.

#### HANDLING/STORAGE:

It must always be stored under cover and on a flat surface.

65% of humidity is the ideal condition for its storage, dryer or more moist environments should be avoided.

It must never be in direct contact with water.

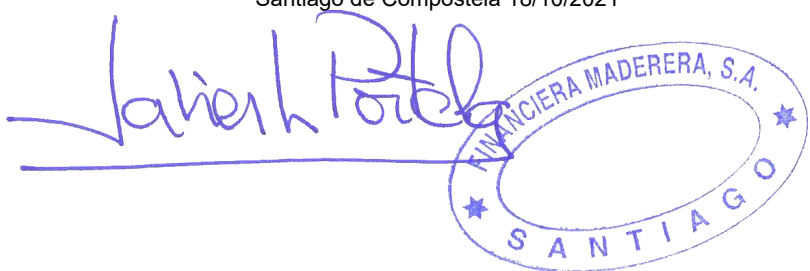
Blocks must always be lined up with the vertical.

Never pile up more than 4 heights.

If the packaging is damaged during its handling, it must be packed again so the product is correctly preserved.

If the piling-up conditions or the changes in moisture or temperature above mentioned are not respected in the warehouses or the processing areas, they may cause irreversible deformations and warpings.

**Javier Portela**  
FINSA R&D + Quality Director  
Santiago de Compostela 18/10/2021



A handwritten signature in blue ink, which appears to read "Javier Portela", is written over a horizontal line. To the right of the signature is a circular blue ink stamp. The stamp contains the text "FINANCIERA MADERERA, S.A." along the top inner edge and "SANTIAGO" along the bottom inner edge, with two small stars on either side of the bottom text.