



08/02/2021

DECLARATION OF PERFORMANCE Nº 00287

FIBRAPLAST HIDROFUGO E-Z

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 Fibrano 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

Indoor use as non structural
element 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: 08/02/2021

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 ³	880/860	855/830	825/770	765/745	745/730	730/715	730/680
INTERNAL BOND	EN 319	N/mm ²	0.90	0.85	0.80	0.80	0.75	0.75	0.70
BENDING STRENGTH	EN 310	N/mm ²	27	27	27	26	24	22	21
MODULUS OF ELASTICITY	EN 310	N/mm ²	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	EN 717-1	ppm	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
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 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 ²	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	31	/30	28	/27	25	24	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	21	20	18	17	16	15	15
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 E-Z. Mounted with a closed air gap not more than 22 mm behind the FIBRAPLAST HIDROFUGO E-Z 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 E-Z, or with a closed air gap behind the FIBRAPLAST HIDROFUGO E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPLAST HIDROFUGO E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRAPLAST HIDROFUGO E-Z 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 E-Z is a low formaldehyde emission product E05 (<0.05 ppm EN 717-1) and meets Class E1 requirements defined in the European Standard EN 14322.

FIBRAPLAST HIDROFUGO E-Z (> 8 mm) is US EPA TSCA TITLE VI and CARB phase 2 compliant as it is manufactured with MDF CARB Phase 2 and US EPA TSCA Title VI certified.

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.

The performance of the reference product are in compliance with the performance declared above
This Declaration of Performance is issued under the sole responsibility of FINANCIERA MADERERA S.A. (FINSA)

Javier Portela
FINSA R&D + Quality Director
Santiago de Compostela 08/02/2021



The image shows a handwritten signature in blue ink that reads "Javier Portela". Below the signature is a horizontal line. To the right of the signature is a circular blue stamp. The stamp contains the text "FINANCIERA MADERERA, S.A." at the top and "SANTIAGO" at the bottom, with two small stars on either side of the bottom text.