

DECLARATION OF PERFORMANCE N° 00030



07/28/2020

FIBRANOR MOISTURE RESISTANT / FIBRAPAN MOISTURE RESISTANT / IBERPAN MOISTURE RESISTANT

Manufactured at: Finsa Fibranor Políg. Ind. de Rábade 27370 RÁBADE (ESPAÑA)	Manufactured at: Finsa Orember Políg. Ind. San Cibrao das Viñas 32911 OURENSE (ESPAÑA)	Manufactured at: Luso Finsa Estrada Nacional 234, Km 92.7 3524-952 NELAS (PORTUGAL)	Manufactured at: Finsa Padrón Paraíso s/n 15900 PADRÓN (ESPAÑA)
TECHNICAL CLASS	INTENDED USE	AVCP*	
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: 05/29/2018										
PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			>2.5/4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/45	>45/60
DENSITY (*)	EN 323	kg/m ³	880/880	855/830	825/770	765/745	745/730	730/715	730/675	700/650
INTERNAL BOND	EN 319	N/mm ²	0.90	0.85	0.80	0.80	0.75	0.75	0.70	0.60
BENDING STRENGTH	EN 310	N/mm ²	27	27	27	26	24	22	21	19
MODULUS OF ELASTICITY	EN 310	N/mm ²	2700	2700	2700	2500	2400	2300	2300	2200
THICKNESS SWELLING 24 H	EN 317	%	30	18	12	10	8	7	7	6
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6	6	6	6	5	5	4	4
SURFACE SOUNDNESS	EN 311	N/mm ²	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150	>150	>150	>150	>150	>150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
REACTION TO FIRE	EN 13501-1	Class	E	E	E	D-s2,d0 (**)	D-s2,d0 (***)	D-s2,d0	D-s2,d0	D-s2,d0
TABLA 8 EN EN 13986:2006+A1:2015										
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	40	25	19	16	15	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	0,10

SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	40	25	19	16	15	15	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm2	0,35	0,35	0,30	0,25	0,20	0,15	0,10	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	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	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	0,11
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD	25	25	28	30	32	34
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	31	30	28	27	25	24	24	23
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	21	20	18	17	16	15	15	14
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5	<5	<5	<5	<5	<5

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

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

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).

FIBRANOR/FIBRAPAN/IBERPAN HIDROFUGO meet Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 622-1 European Standard.

The quality of FIBRANOR/FIBRAPAN/IBERPAN HIDROFUGO is endorsed by AITIM Quality Labels AITIM 9-04-08 and 9-4-09.

Fibranor Strip H/Fibrapan Strip H/Iberpan Strip H meet the physical-mechanical characteristics described in this technical data sheet.

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 07/28/2020

Javier Portela

