



FINSA
solutions in wood

FINANCIERA MADERERA S.A.
(FINSA)
N-550, KM 57
15890 SANTIAGO DE COMPOSTELA
(A CORUÑA)
SPAIN

DECLARATION OF PERFORMANCE N° 00242



30/04/2020

FIBRACOLOUR NEGRO E-Z

Manufactured at: Finsa
Fibranor
Políg. Ind. de Rábade
27370 RÁBADE (ESPAÑA)

Manufactured at: Finsa
Oremer
Políg. Ind. San Cibrao das
Viñas
32911 OURENSE (ESPAÑA)

TECHNICAL CLASS	INTENDED USE	AVCP*
MDF	Internal use as non structural component in dry 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: 29/04/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			2-2.5	>2.5-4	>4-6	>9-12	>12-19	>19-30	>30-44	
DENSITY (*)	EN 323	kg/m ³	890/850	850/825	820/800	790/750	750/740	740/710	710/700	690/670
INTERNAL BOND	EN 319	N/mm ²	0.65	0.65	0.65	0.65	0.60	0.55	0.55	0.50
BENDING STRENGTH	EN 310	N/mm ²	23	23	23	23	22	20	18	17
MODULUS OF ELASTICITY	EN 310	N/mm ²	---	---	2700	2700	2500	2200	2100	1900
THICKNESS SWELLING 24 H	EN 317	%	45	35	30	17	15	12	10	8
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,4	0,4	0,4	0,4	0,3	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	10	10	10	6	6	6	5	5
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
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	E	E	E	E	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	Efl	Efl	Efl	Efl	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1
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)	0.16	0.16	0.15	0.13	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION	EN 13986:2004+A1:2015	db	NPD	NPD	NPD	23	25	27	29	32

PROPERTY	STANDARD	UNIT	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300
COEFFICIENT (A) (1000 A 2000 HZ)										
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.16	0.16	0.15	0.13	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD	NPD	23	25	27	29	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	33	31	30	28	27	25	24	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	22	21	20	18	17	16	15	
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1	1	1	1	1	1
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 FIBRACOLOUR NEGRO E-Z. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR NEGRO 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 FIBRACOLOUR NEGRO E-Z, or with a closed air gap behind the FIBRACOLOUR NEGRO E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRACOLOUR NEGRO E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR NEGRO E-Z classification D-s2,d2 in thicknesses between >12 and 18 mm. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. Requirements for boards for use in dry conditions (type MDF).

FIBRACOLOUR NEGRO E-Z is a low formaldehyde emission product E05 (<0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN European Standard.

FIBRACOLOUR NEGRO E-Z is CARB Phase 2 and US EPA TSCA Title VI certified (Formaldehyde emission < 0.11 ppm ASTM E 1333).

Link to EPA certificate:

FINSA FIBRANOR: <https://drive.google.com/open?id=0B-Xe1750UJbXUkh1SjRXWgDhTHc>

FINSA OREMBER: <https://drive.google.com/open?id=0B-Xe1750UJbXT1o5eEJVeW9CRWs>

Link to EPA quarter atestation:

FINSA FIBRANOR: <https://drive.google.com/open?id=0B-Xe1750UJbXM1pUjFN1VXNURXM>

FINSA OREMBER: <https://drive.google.com/open?id=19yNwa3noHTHT3o00JRQvntDtkUJk9jCQ>

Link to CARB P2 certificate:

FINSA FIBRANOR: <https://drive.google.com/open?id=0B-Xe1750UJbXY3ZRUmN8TzhodXc>

FINSA OREMBER: <https://drive.google.com/open?id=0B-Xe1750UJbXYXNXRkhGNmxBZGc>

Link to CARB P2 quarter atestation:

FINSA FIBRANOR: <https://drive.google.com/open?id=0B-Xe1750UJbXM1pUjFN1VXNURXM>

FINSA OREMBER: <https://drive.google.com/open?id=0B-Xe1750UJbXVkdXb2N5aUNQQ2s>

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 30/04/2020


