

## FIBRACOLOUR NEGRO E-Z NATUR

### TECHNICAL DATA-AVERAGE VALUES

Rev: 11/06/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			11 - 13	>13 - 20	>20 - 31	>31 - 41
DENSITY (*)	EN 323	kg/m <sup>3</sup>	750/740	740/710	710/700	690/670
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0.60	0.55	0.55	0,50
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	22	20	18	17
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	2500	2200	2100	1900
THICKNESS SWELLING 24 H	EN 317	%	15	12	10	8
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,3	0,3
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	5	5
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	1,2	1,2	1,2	1,2
MOISTURE CONTENT	EN 322	%	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	D-s2,d0 (***)	D-s2,d0 (****)	D-s2,d0 (**)	D-s2,d0 (**)
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	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
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	25	27	29	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	27	25	24	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	16	15	14
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5

### TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			11 - 13	>13 - 20	>20 - 31	>31 - 41
THICKNESS	EN 324-1	mm	+0.1/-0.5	+0.1/-0.5	+0.1/-0.5	+0.1/-0.5
LENGTH/WIDTH	EN-324-1	mm	+0 mm / -3 mm	+0 mm / -3 mm	+0 mm / -3 mm	+0 mm / -3 mm

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

The thickness of the veneered board is understood as the thickness of the baseboard plus one millimetre (theoretical thickness of the veneer).

(\*\*) Commission Decision 2007/348/EC.

(\*\*\*) Mounted without an air gap behind the FIBRACOLOUR NEGRO E-Z NATUR.

Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR NEGRO E-Z NATUR 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 NATUR. With a closed air gap behind the FIBRACOLOUR NEGRO E-Z NATUR for thicknesses equal or greater than 16mm. With an open air gap behind the FIBRACOLOUR NEGRO E-Z NATUR for thicknesses equal or greater than 19 mm.

Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR NEGRO E-Z NATUR classification D-s2,d2 in thicknesses between 11 mm and 19 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 general purpose boards for use in dry conditions (type MDF).

Low formaldehyde emission product E05 (<0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1 European Standard.

FIBRACOLOUR NEGRO E-Z NATUR is CARB Phase 2 and US EPA TSCA Title VI certified by TPC-15 as HWPW-CC (Formaldehyde emission < 0.05 ppm ASTM E 1333).

Link to EPA certificate: <https://drive.google.com/file/d/1oJAAXtEmeahDkXRie2ZjkbMBAMsZRiri/view?usp=sharing>

Link to CARB Phase 2 certificate: [https://drive.google.com/file/d/1Fiywta-B0gkTW\\_0lcU4UpcUJgy16eouu/view?usp=sharing](https://drive.google.com/file/d/1Fiywta-B0gkTW_0lcU4UpcUJgy16eouu/view?usp=sharing)

Link to quarter atestation:

<https://drive.google.com/open?id=0B-Xe1750UJbXclZJN0JnYmQxYIE>

