

## FIBRANATUR IGNIFUGO E-Z

### TECHNICAL DATA-AVERAGE VALUES

Rev: 10/06/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			11 - 13	>13 - 20	>20 - 31
DENSITY (*)	EN 323	kg/m <sup>3</sup>	810/790	790/770	760/740
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0.60	0.55	0,55
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	22	20	18
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	2500	2200	2100
THICKNESS SWELLING 24 H	EN 317	%	15	12	10
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	1.2	1.2	1,2
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05	≤ 0,05
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.05	≤ 0.05	≤ 0.05
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	C-s1,d0 (**)	C-s1,d0 (**)	C-s1,d0 (**)
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	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
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.14	0.14	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24	26	29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	27	25	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	16	15
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5

### TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			11 - 13	>13 - 20	>20 - 31
THICKNESS	EN 324-1	mm	+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

(\*) 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).

(\*\*) FIBRANATUR IGNIFUGO E-Z holds CE certificate of conformity of the factory production control issued by AENOR with number 0099/CPR/A65/0055 for the veneers african mahogany, american mahogany, afrormosia, antiris, alerce, aningeria, Canadian poplar, abodire, ayous, balsa, guarea, chestnut, oak, balata, afzelia, african alstonia,, digbo, european ash, jananese ash, fromager, goiabao, grand bassam, grey poplar, beech, ilomba, omu, danta, african pterigota, limba, sheet of poplar, chestnut, beech, ash, oak, red louro, okume, olon, chopo, ramin, samba, sapelli, sen, sipo, gedu nohor, european lime, agba.

Link to download: [https://drive.google.com/open?id=1jTa-JAsi09UY4c52f\\_WtcQdoloOTImTk](https://drive.google.com/open?id=1jTa-JAsi09UY4c52f_WtcQdoloOTImTk)

(!) Reaction to fire classification report and field of application, link to report:

<https://drive.google.com/open?id=0B-Xe1750UJbXTWpkUGhTSk9JUGtLYIAwX3BsVIBla0FBWTUw>

Individual test reports available under request.

Other veneers classification D-s2,d0. Commission Decision 2007/348/EC.

The raw MDF used for veneering is FIBRAPAN IGNIFUGO E-Z with reaction to fire classification B-s1, d0.

Link to Commission Decision 2007/348/EC: <https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:32007D0348&from=ES>

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.

FIBRANATUR IGNIFUGO E-Z 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/1oJAAXtEmeahDkXRie2ZjxMBAMsZRiri/view?usp=sharing>

Link to CARB Phase 2 certificate: [https://drive.google.com/file/d/1Fiywta-BQgktW\\_oIcU4UpcUJgy16eouu/view?usp=sharing](https://drive.google.com/file/d/1Fiywta-BQgktW_oIcU4UpcUJgy16eouu/view?usp=sharing)

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

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must be extracted from the working environment with the usual procedures in the wood industry as industrial vacuum systems and IPEs use must be observed according to law.

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