

**FIBRAPAN****TECHNICAL DATA-AVERAGE VALUES**

Rev: 28/10/2015

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			7/9	>9/12	>12/19	>19/30
DENSITY (*)	EN 323	kg/m ³	770/740	735/720	720/675	675/655
INTERNAL BOND	EN 319	N/mm ²	0,75	0,65	0,55	0,55
BENDING STRENGTH	EN 310	N/mm ²	23	22	20	18
MODULUS OF ELASTICITY	EN 310	N/mm ²	2700	2500	2200	2100
THICKNESS SWELLING 24 H	EN 317	%	17	15	12	10
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,4	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm ²	1,2	1,2	1,2	1,2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	> 150	> 150	> 150	> 150
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 CONTENT	EN 120	mg/100 g	≤ 8	≤ 8	≤ 8	≤ 8
REACTION TO FIRE TABLA EN 13986:2004 I	EN 13986:2004	Class	E	D-s2,d0 (**)	D-s2,d0 (***)	D-s2,d0 (***)
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	UNE EN 139861	α	0.10	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	UNE EN 139861	α	0.20	0.20	0.20	0.20
THERMAL CONDUCTIVITY	UNE EN 139861	W/(m·K)	0.13	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R). 5.10 EN 13986:2004	EN 13986:2004	db	22/24	24/26	26/28	29/30
WATER VAPOUR PERMEABILITY WET CUP / DRY CUP TABLE 9 EN 13986:2004	EN 13986:2004	μ	18/28	17/27	16/25	15/24
BIOLOGICAL DURABILITY USE	EN 13986:2004	Use classes	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004	%	<5	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			7/9	>9/12	>12/19	>19/30
THICKNESS	EN 324-1	mm	+/-0,2	+/-0,2	+/-0,2	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/- 2	+/- 2	+/- 2	+/- 2
			mm/m, máx +/- 5 mm.	mm/m, máx +/- 5 mm.	mm/m, máx +/- 5 mm.	mm/m, máx +/- 5 mm.
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 2	+/- 2	+/- 2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

(**) Mounted without an air gap behind the FIBRAPAN.

Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN classification D-s2,d2.

Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(***) Mounted without an air gap behind the FIBRAPAN, or with a closed air gap behind the FIBRAPAN for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPAN for thicknesses equal or greater than 18 mm.

Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN 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 by EN 622-5:2009 European Standard, Table 3. Requirements for general purpose boards for use in dry conditions (type MDF).

FIBRAPAN meets Class E1 requirements (analysed according to EN 120) as defined in EN 622-1:2003 European Standard.

FIBRAPAN is endorsed by AITIM Quality Labels.

FIBRAPAN STRIP meets these physical-mechanical characteristics declared.



FIBRAPAN is a board made of selected wood fibres (MDF).