See all data sheets

FINSA
solutions in wood

FIBRAPAN E-Z

TECHNICAL DATA-AVERAGE VALUES **Rev: 05/03/2019**

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			7-9	>9-12	>12-19	>19-30
DENSITY (*)	EN 323	kg/m3	770/740	735/720	720/675	675/655
INTERNAL BOND	EN 319	N/mm2	0,70	0,65	0,55	0,55
BENDING STRENGTH	EN 310	N/mm2	23	22	20	18
MODULUS OF ELASTICITY	EN 310	N/mm2	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 TICKNESS	EN 318	%	6	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm2	>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
REACTION TO FIRETABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	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	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	22	24	26	29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	28	27	25	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	18	17	16	15
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1

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 mm/m, máx +/- 5 mm.	+/- 2 mm/m, máx +/- 5 mm.	+/- 2 mm/m, máx +/- 5 mm.	+/- 2 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	+/-,5

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

(**) Mounted without an air gap behind the FIBRAPAN E-Z. Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN E-Z classificationD-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(***) Mounted without an air gap behind the FIBRAPAN E-Z, or with a closed air gap behind the FIBRAPAN E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPAN E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN E-Z classification D-s2,d2 in thicknesses between 10 mm 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).

The quality of FIBRAPAN E-Z is endorsed by AITIM Quality Labels.

FIBRAPAN E-Z is CARB Phase 2 and US EPA TSCA Title VI certified.
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