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FIBRAPAN ULTRA LIGHT E-Z

TECHNICAL DATA-AVERAGE VALUES **Rev: 02/11/2021**

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			9/12	>12/19	>19/30
DENSITY (*)	EN 323	kg/m3	550	550	550
INTERNAL BOND	EN 319	N/mm2	0,50	0,50	0,50
BENDING STRENGTH	EN 310	N/mm2	18	16	14
MODULUS OF ELASTICITY	EN 310	N/mm2	1400	1300	1200
THICKNESS SWELLING 24 H	EN 317	%	17	14	13
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 FIRETABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	E (**)	E (**)	E (**)
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)	0.09	0.09	0.09
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	23	26	29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	18	18	19
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	10	10	10
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		
			9/12	>12/19	>19/30
THICKNESS	EN 324-1	mm	+/-0,2	+/-0,2	+/-0,2
LENGTH/WIDTH	EN-324-1	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
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5

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

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

These physical-mechanical values improve/comply with those established by EN 622-5:2006 European Standard, TABLE 10. Requirements for ultralight boards used in dry environments (Type UL2-MDF).

FIBRAPAN ULTRA LIGHT E-Z s a low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and meets Class E1 requirements defined in the European Standard EN 622-1.

FIBRAPAN ULTRA LIGHT E-Z bears Certificate of Conformity with CARB phase 2 and US EPA TSCA TITLE VI requirements, regarding low formaldehyde emission limits.

(SELECT)

Non dangerous product. Adequate ergonomic techniques and IPEs must be used when handling. Dust generated in cutting, sanding, drawmilling and other processes 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.