

FIBRAPAN FORMA E-Z / IBERPAN FORMA E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 27/04/2023

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm					
			8 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 45	>45 - 70
DENSITY (*)	EN 323	kg/m ³	640	600	600	600	600	600
INTERNAL BOND	EN 319	N/mm ²	0,55	0,55	0,50	0,50	0,45	0,45
BENDING STRENGTH	EN 310	N/mm ²	20	20	18	17	15	15
MODULUS OF ELASTICITY	EN 310	N/mm ²	1700	1700	1600	1500	1400	1200
THICKNESS SWELLING 24 H	EN 317	%	18	15	13	11	10	10
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	E (*)	D- s2,d0(***)	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	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	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.11	0.10	0.10	0.10	0.10	0.10
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24	24	27	29	31	33
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	22	20	20	20	20	20
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	13	12	12	12	12	12
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm					
			8 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 45	>45 - 70
THICKNESS	EN 324-1	mm	+/- 0,20	+/- 0,20	+/- 0,20	+/- 0,30	+/- 0,30	+/- 0,30
LENGTH/WIDTH	EN-324-1	mm	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2
			mm/m, máx +/- 5 mm.	mm/m, máx +/- 5 mm.	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	+/- 2	+/- 2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

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

(***) Mounted without an air gap behind the FIBRAPAN FORMA E-Z

Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN FORMA E-Z 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 FORMA E-Z, or with a closed air gap behind the FIBRAPAN FORMA E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPAN FORMA E-Z for thicknesses equal or greater than 18 mm.

Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN FORMA E-Z 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 622-5:2006 European Standard, Table 7. Requirements for light weight boards used in dry conditions (Type L-MDF).

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

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.
