



FIBRAPAN H FORMA

TECHNICAL DATA-AVERAGE VALUES

Rev: 13/11/2023

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			8 / 9	>9 / 12	>12 / 19	>19 / 30
DENSITY (*)	EN 323	kg/m ³	600	600	600	600
INTERNAL BOND	EN 319	N/mm ²	0,45	0,45	0,45	0,45
BENDING STRENGTH	EN 310	N/mm ²	20	20	18	15
MODULUS OF ELASTICITY	EN 310	N/mm ²	1700	1700	1600	1500
THICKNESS SWELLING 24 H	EN 317	%	15	12	9	6
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,4	0,4
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	6	6
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0,10	≤ 0,10	≤ 0,10	≤ 0,10
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	D-s2,d0 (***)	D-s2,d0 (***)	D-s2,d0 (****)	D-s2,d0 (**)
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	19	16	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm ²	0.30	0.25	0.20	0.15
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)	0.10	0.10	0.10	0.10
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	24	27	29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	20	20	20	20
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	12	12	12	12
BIOLOGICAL DURABILITY USE	EN 335	Class of use	2	2	2	2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			8 / 9	>9 / 12	>12 / 19	>19 / 30
THICKNESS	EN 324-1	mm	+/-0.2	+/-0.2	+/-0.2	+/-0.2
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.

(**) Data from BS EN 13986:2004+A1:2015,Table 8.

(***) Mounted without an air gap behind the FIBRAPAN H FORMA. Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN H FORMA classification D-s2,d2. Classification E for any other more restrictive condition. Data from BS EN 13986:2004+A1:2015,Table 8.

(****) Mounted without an air gap behind the FIBRAPAN H FORMA, or with a closed air gap behind the FIBRAPAN H FORMA for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPAN H FORMA for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN H FORMA classification D-s2,d2 in thicknesses between >12 and 18 mm.Data from BS EN 13986:2004+A1:2015,Table 8.

These physical-mechanical values improve/comply with those established by BS EN 622-5 Standard, Table 8. Requirements for light boards used in moist environments (Type L-MDF.H).

FIBRAPAN H FORMA meets Class E1 requirements (analysed according to BS EN ISO 12460-5) as defined in BS EN 622-1 Standard.

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.
