

FIMAPAN H E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 22/05/2015

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			8/13	>13/20	>20/25	>25/32	>32/40
DENSITY (*)	EN 323	kg/m ³	720/680	675/650	640/625	600	600
INTERNAL BOND	EN 319	N/mm ²	0,45	0,45	0,40	0,35	0,30
BENDING STRENGTH	EN 310	N/mm ²	15	14	12	11	9
MODULUS OF ELASTICITY	EN 310	N/mm ²	2050	1950	1850	1700	1550
THICKNESS SWELLING 24 H	EN 317	%	17	14	13	13	12
SURFACE SOUNDNESS	EN 311	N/mm ²	0,8	0,8	0,8	0,8	0,8
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	14	13	12	12	11
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm ²	0,15	0,13	0,12	0,10	0,09
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.25	0.25	0.25	0.25	0.25
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.14	0.14	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24	27	29	30	31
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	16/50	16/50	16/50	15/50	15/50
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	<5 ppm	<5 ppm	<5 ppm	<5 ppm	<5 ppm

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			8/13	>13/20	>20/25	>25/32	>32/40
THICKNESS	EN 324-1	mm	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/-5	+/-5	+/-5	+/-5	+/-5
SQUARENESS	EN 324-2	mm/m	+/-2	+/-2	+/-2	+/-2	+/-2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

(**) Mounted without an air gap behind the FIMAPAN H E-Z. Mounted with a closed air gap not more than 22 mm behind the FIMAPAN H 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 FIMAPAN H E-Z, or with a closed air gap behind the FIMAPAN H E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIMAPAN H E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIMAPAN H 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 the P3 classification established in EN 312:2010 European Standard, Tables 4 and 5. Non load-bearing boards for use in humid conditions (Type P3). Requirements for the specified mechanical and swelling properties. Requirements for moisture resistance (Option 1).

FIMAPAN H E-Z is endorsed by AITIM Quality Label.

FIMAPAN H E-Z meets Class E1 requirements (analysed according EN 120) as defined in EN 312:2010 European Standard.

FIMAPAN H E-Z bears Certificate of Conformity with CARB phase 2 requirements regarding 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.