

FIMAPAN PLUS

TECHNICAL DATA-AVERAGE VALUES

Rev: 30/09/2016

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			>13 - 20	> 20 - 25	> 25 - 30
DENSITY (*)	EN 323	kg/m3	680/670	650	640
INTERNAL BOND	EN 319	N/mm2	≥ 0,45	≥ 0,40	≥ 0,35
BENDING STRENGTH	EN 310	N/mm2	≥ 11.5	≥ 11.0	≥ 10.0
MODULUS OF ELASTICITY	EN 310	N/mm2	≥ 1900	≥ 1800	≥ 1600
THICKNESS SWELLING 2 H	EN 317	%	≤ 6	≤ 6	≤ 6
SURFACE SOUNDNESS	EN 311	N/mm2	≥ 0,9	≥ 0,9	≥ 0,9
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05	≤ 0,05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	D- s2,d0**	D-s2,d0	D-s2,d0
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	Dfl-s1	Dfl-s1	Dfl-s1
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	≥ 0.25	≥ 0.25	≥ 0.25
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	≤ 0.14	≤ 0.13	≤ 0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	≥ 28	≥ 30	≥ 31
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	≥ 50	≥ 50	≥ 50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	≥ 16	≥ 16	≥ 16
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			>13 - 20	> 20 - 25	> 25 - 30
THICKNESS	EN 324-1	mm	+/-0,3	+/-0,3	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/-5	+/-5	+/-5
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.

(**) Mounted without an air gap behind the FIMAPAN PLUS, or with a closed air gap behind the FIMAPAN PLUS for thicknesses equal or greater than 15mm or with an open air gap behind the FIMAPAN PLUS for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIMAPAN PLUS classification D-s2,d2 in thicknesses between 10 and 18 mm. Commission Decision 2007/348/EC

These physical-mechanical values improve/comply with the P2 classification established in EN 312:2010 European Standard, Table 3. Boards for indoor applications (including furniture) in dry environments (Type P2). Requirements for the specified mechanical properties.

This product meets Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 312:2010 European Standard.

This product is endorsed by AITIM Quality Labels.

(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.