



FINSA
solutions in wood

FIMAPAN

TECHNICAL DATA-AVERAGE VALUES

Rev: 05/10/2016

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			>4-6	>6-13	>13/20	>20/25	>25/32	>32/40	>40	
DENSITY (*)	EN 323	kg/m ³	720/700	700/650	650/620	620/595	590/580	575/560	550	
INTERNAL BOND	EN 319	N/mm ²	≥ 0,45	≥ 0,40	≥ 0,35	≥ 0,30	≥ 0,25	≥ 0,20	≥ 0,20	
BENDING STRENGTH	EN 310	N/mm ²	≥ 12	≥ 11	≥ 11	≥ 10,5	≥ 9,5	≥ 8,5	≥ 7	
MODULUS OF ELASTICITY	EN 310	N/mm ²	≥ 1950	≥ 1800	≥ 1600	≥ 1500	≥ 1350	≥ 1200	≥ 1050	
THICKNESS SWELLING 2 H	EN 317	%	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	
SURFACE SOUNDNESS	EN 311	N/mm ²	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	D-s2,d0**	D-s2,d0***	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	NPD	Dfl-s1****	Dfl-s1	Dfl-s1	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	≥ 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	≥ 0.25	≥ 0.25	
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	≤ 0.14	≤ 0.14	≤ 0.13	≤ 0.12	≤ 0.12	≤ 0.12	≤ 0.11	
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	≥ 24	≥ 26	≥ 28	≥ 29	≥ 31	≥ 32	
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	≥ 17 / ≥ 50	≥ 16 / ≥ 50	≥ 15 / ≥ 50	≥ 15 / ≥ 50	≥ 15 / ≥ 50	≥ 15 / ≥ 50	≥ 14 / ≥ 50	
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1	1	1	1	
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	< 5	< 5	< 5	< 5	< 5	< 5	< 5	

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			>4-6	>6-13	>13/20	>20/25	>25/32	>32/40	>40	
THICKNESS	EN 324-1	mm	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3	
LENGTH/WIDTH	EN-324-1	mm	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5	
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 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	+/-1,5	

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

(**) Minimum thickness 9mm. Mounted without an air gap behind the FIMAPAN. Mounted with a closed air gap not more than 22 mm behind the FIMAPAN 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, or with a closed air gap behind the FIMAPAN for thicknesses equal or greater than 15mm or with an open air gap behind the FIMAPAN for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIMAPAN classification D-s2,d2 in thicknesses between 10 and 18 mm. Commission Decision 2007/348/EC

(****) Minimum thickness 9 mm

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 120) as defined in EN 312:2010 European Standard.

This product is endorsed by AITIM Quality Labels.
(SELECT)