



# FINSA

*solutions in wood*

## SUPERPAN

### TECHNICAL DATA-AVERAGE VALUES

Rev: 01/21/2016

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm					
			8/13	>13/20	>20/25	>25/32	>32/40	>40/44
DENSITY (*)	EN 323	kg/m <sup>3</sup>	700-650	630	610	610	600	600
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0,40	0,35	0,30	0,25	0,20	0,20
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	14	14	13	12	11	10
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	2200	2100	1800	1500	1300	1150
THICKNESS SWELLING 2 H	EN 317	%	6	6	6	6	6	6
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	>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
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤8,0	≤8,0	≤8,0	≤8,0	≤8,0	≤8,0
SCREW HOLDING. EDGE	EN-320	N	600	600	600	600	600	600
SCREW HOLDING. SURFACE	EN-320	N	800	800	800	800	800	800
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	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	Dfl-s1****	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13986:2004+A1:2015	α	0.1	0.1	0.1	0.1	0.1	0.1
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13986:2004+A1:2015	α	0.25	0.25	0.25	0.25	0.25	0.25
THERMAL CONDUCTIVITY	EN 13986:2004+A1:2015	W/ (m·K)	0.14	0.14	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24/26	26/28	28/29	29/31	31/32	32/33
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	16/50	16/50	15/50	15/50	15/50	15/50
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Use classes	1	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	≤5	≤5	≤5	≤5	≤5	≤5

### TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm					
			8/13	>13/20	>20/25	>25/32	>32/40	>40/44
THICKNESS	EN 324-1	mm	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/-5	+/-5	+/-5	+/-5	+/-5	+/-5
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.

(\*\*) Minimum thickness 9mm. Mounted without an air gap behind the SUPERPAN. Mounted with a closed air gap not more than 22 mm behind the SUPERPAN classification D-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(\*\*\*) Mounted without an air gap behind the SUPERPAN, or with a closed air gap behind the SUPERPAN for thicknesses equal or greater than 15mm or with an open air gap behind the SUPERPAN for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the SUPERPAN 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.