

SUPERPAN MOISTURE RESISTANT

TECHNICAL DATA-AVERAGE VALUES

Rev: 03/04/2017

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm					
			8/13	>13/20	>20/25	>25/32	>32/40	>40
DENSITY (*)	EN 323	kg/m ³	710-660	640	620	620	610	610
INTERNAL BOND	EN 319	N/mm ²	0,45	0,45	0,40	0,35	0,30	0,25
BENDING STRENGTH	EN 310	N/mm ²	16	16	15	14	13	12
MODULUS OF ELASTICITY	EN 310	N/mm ²	2400	2300	2000	1850	1800	1750
THICKNESS SWELLING 24 H	EN 317	%	17	14	13	13	12	12
SURFACE SOUNDNESS	EN 311	N/mm ²	0,8	1,0	1,0	1,0	1,0	1,0
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150	>150	>150	>150
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 8,0	≤ 8,0	≤ 8,0	≤ 8,0	≤ 8,0	≤ 8,0
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	D-s2,d0	D-s2,d0
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	Dfl-s1 (****)	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1	Dfl-s1
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	14	13	12	12	11	11
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm ²	0,15	0,13	0,12	0,10	0,09	0,08
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
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
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.14	0.13	0.13	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24	28	29	31	32	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	50	50	50	50	50	50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	16	16	15	15	15	15
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 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
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 H. Mounted with a closed air gap not more than 22 mm behind the SUPERPAN H 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 H, or with a closed air gap behind the SUPERPAN H for thicknesses equal or greater than 15mm or with an open air gap behind the SUPERPAN H for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the SUPERPAN H 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 P3 classification established in EN 312:2010 European Standard, Tables 4 and 5. Non-structural boards used in moist environments (Type P3). Requirements for the specified mechanical and swelling properties. Requirements for the resistance to moisture (Option 1).

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.

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.

	superPan Moisture Resistant consists of two external MDF faces and a core of chipboard, for uses in moist environments.
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