

SUPERPAN TECH P4

TECHNICAL DATA-AVERAGE VALUES

Rev: 11/07/2019

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			13/20	>20/25	>25/32	>32/40
DENSITY (*)	EN 323	kg/m ³	700	675	660	650
INTERNAL BOND	EN 319	N/mm ²	0,35	0,30	0,25	0,20
BENDING STRENGTH	EN 310	N/mm ²	21	20	19	18
MODULUS OF ELASTICITY	EN 310	N/mm ²	2800	2500	2200	2000
THICKNESS SWELLING 24 H	EN 317	%	15	15	15	14
SURFACE SOUNDNESS	EN 311	N/mm ²	1,0	1,0	1,0	1,0
MOISTURE CONTENT	EN 322	%	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
SCREW HOLDING. EDGE	EN 320	N	700	700	700	700
SCREW HOLDING. SURFACE	EN 320	N	900	900	900	900
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	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
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	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
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.15	0.14	0.13	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	28	29	31	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	50	50	50	50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	17	17	17
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5
MECHANICAL DURABILITY	EN 13986:2004+A1:2015	Kmod Kdef	EN 1995-1:2004 3.1 & 3.2	EN 1995-1:2004 3.1 & 3.2	EN 1995-1:2004 3.1 & 3.2	EN 1995-1:2004 3.1 & 3.2

TOLERANCE ON NOMINAL DIMENSIONS

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

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

(**) Mounted without an air gap behind the SUPERPAN TECH P4, or with a closed air gap behind the SUPERPAN TECH P4 for thicknesses equal or greater than 15mm or with an open air gap behind the SUPERPAN TECH P4 for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the SUPERPAN TECH P4 classification D-s2,d2 in thicknesses between 13 and 18 mm. Commission Decision 2007/348/EC

These physical-mechanical values improve/comply with the P4 classification established in EN 312:2010 European Standard, Table 6. Structural boards used in dry conditions (Type P4). Requirements for the specified mechanical and swelling properties.

SUPERPAN TECH P4 meets Class E1 requirements (analysed according EN-ISO 12460-5) as defined in EN 312:2010 European Standard.

SUPERPAN TECH P4 holds CE Certificate of conformity of the factory production control issued by the European Notified Body AENOR.

(!) DoP: Characteristic values obtained by statistical study from SUPERPAN TECH P4 tests performed under EN 789.

SUPERPAN TECH P4 is endorsed by AITIM Quality Labels.

SUPERPAN TECH P4 is PCT/EP99/09984 patented.

(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.

