

SUPERPAN TECH P4 IGNIFUGO E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 17/07/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm						
			8/<12	12/13	12/20	>20/25	>25/32	>32/40	>40/44
DENSITY (*)	EN 323	kg/m3	760-750	730	690	680	660	650	650
INTERNAL BOND	EN 319	N/mm2	0.40	0.40	0.35	0,30	0,25	0.20	0.20
BENDING STRENGTH	EN 310	N/mm2	23	23	21	20	19	18	17
MODULUS OF ELASTICITY	EN 310	N/mm2	2900	2900	2800	2500	2200	2100	2000
THICKNESS SWELLING 24 H	EN 317	%	19	16	15	15	15	14	14
SURFACE SOUNDNESS	EN 311	N/mm2	0,8	1,0	1,0	1,0	1,0	1,0	1,0
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
SCREW HOLDING. EDGE	EN 320	N	--	--	700	700	700	700	700
SCREW HOLDING. SURFACE	EN 320	N	800	800	900	900	900	900	900
REACTION TO FIRE	EN 13501-1	Euroclass	B-s2, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0
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)	0.15	0.15	0.14	0.14	0.13	0.13	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	24	26	27	29	30	31	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	50	50	50	50	50	50	50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	18	17	17	16	16	16	16
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 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	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						
			8/<12	12/13	12/20	>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	+/- 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.

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 IGNIFUGO E-Z is a low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1 European Standard.

SUPERPAN TECH P4 IGNIFUGO E-Z bear CE Marking, certified by AENOR, number 0099/CPD/A65/0040.

Link to download:

<https://drive.google.com/file/d/0B-Xe1750UJbXX2hwN0xtTDIFUEZGbnlwWjhjSWRNMTIzcWIR/view?usp=sharing>

Reaction to fire classification report and field of application, link to report:

<https://drive.google.com/file/d/1TvpXVDMn1rfD1rsuT0RCXSxgcCEggzRW/view?usp=sharing>

Individual test reports available under request.

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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.