

SUPERPAN SUPREM

TECHNICAL DATA-AVERAGE VALUES

Rev: 18/03/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			18	19 / 20	>20 / 24	>24 / 32	>32 / 44
FACES MDF THICKNESSES		mm	≥ 2.0	≥ 2.0	≥ 2.0	≥ 2.5	≥ 2.5
DENSITY (*)	EN 323	kg/m ³	690	670	660	650	640
INTERNAL BOND	EN 319	N/mm ²	0,35	0,35	0,30	0,30	0,20
BENDING STRENGTH	EN 310	N/mm ²	20	19	18	17	16
MODULUS OF ELASTICITY	EN 310	N/mm ²	2700	2600	2300	2000	1800
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0.3	0.3	0.3
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	6	6	6
SURFACE SOUNDNESS	EN 311	N/mm ²	1,0	1,0	1,0	1,0	1,0
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	> 150	> 150	> 150	> 150	> 150
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	0.10	0.10	0.10	0.10	0.10
SCREW HOLDING. EDGE	EN 320	N	700	700	700	700	700
SCREW HOLDING. SURFACE	EN 320	N	900	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 (**)	D-s2, 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
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.25	0.25	0.25	0.25	0.25
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.13	0.13	0.13	0.13	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	28	28	29	31	33
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	50	50	50	50	50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	16	16	16	16
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			18	19 / 20	>20 / 24	>24 / 32	>32 / 44
THICKNESS	EN 324-1	mm	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3
LENGTH/WIDTH	EN-324-1	mm	+/- 5	+/- 5	+/- 5	+/- 5	+/- 5
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

(**) Commission Decision 2007/348/EC

These physical-mechanical values improve/comply with the P2 classification established in EN 312:2003 European Standard, Table 3. Boards for indoor applications (including furniture) in dry environments (Type P2). Requirements.

SUPERPAN SUPREM meets Class E1 requirements as defined in EN 312:2010 European Standard.

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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.