



FINSA

soluciones en madera

IBERPAN 400

TECHNICAL DATA-MEDIAN SECURITIES

Rev: 11/01/2018

PROPERTIES	REFERENCE TEST	UNITS	THICKNESS mm			
			> 30/40	> 40/45	> 45/60	> 60/70
DENSITY (*)	EN 323	kg / m ³	450	450	450	450
INTERNAL TRACTION	EN 319	N / mm ²	0.20	0.20	0.20	0.20
RESISTANCE FLEXION	EN 310	N / mm ²	10	10	10	10
ELASTICITY MODULE	EN 310	N / mm ²	1200	1200	1200	1200
WATER INHIBIT 24 HOURS	EN 317	%	10	10	10	10
DIMENSIONAL STABILITY LENGTH / WIDTH	EN 318	%	0.25	0.25	0.25	0.25
DIMENSIONAL STABILITY THICKNESS	EN 318	%	5	5	5	5
SUPERFICIAL ABSORPTION (BOTH FACES)	EN 382-1	mm	> 150	> 150	> 150	> 150
HUMIDITY	EN 322	%	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3
CONTENT IN SILICE	ISO 3340	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
CONTENT IN FORMALDEHYDE	EN ISO 12460-5	mg / 100 g	≤ 8	≤ 8	≤ 8	≤ 8
RESISTANCE TO SCREW START. CANTOS	EN-320	N	350	350	425	425
RESISTANCE TO SCREW START. FACES	EN-320	N	550	550	650	650
REACTION TO THE FIRE TABLE 13986: 2006 + A1: 2015	EN 13501-1	Class	E (**)/ Efl (**)	E (**)/ Efl (**)	E (**)/ Efl (**)	E (**)/ Efl (**)
COEFFICIENT OF ACOUSTIC ABSORPTION (A) (250 TO 500 HZ)	EN 13986: 2006 + A1: 2015	α	0.10	0.10	0.10	0.10
COEFFICIENT OF ACOUSTIC ABSORPTION (A) (1000 TO 2000 HZ)	EN 13986: 2006 + A1: 2015	α	0.20	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13986: 2006 + A1: 2015	W / (m · K)	0.07	0.07	0.07	0.07
ACOUSTIC INSULATION TO AIR NOISE (R)	EN 13986: 2006 + A1: 2015	db	twenty	twenty	twenty	twenty
FACTOR OF RESISTANCE TO WATER VAPOR. DRY CUP	EN 13986: 2006 + A1: 2015	μ	10	10	10	10
FACTOR OF RESISTANCE TO WATER VAPOR. HUMID COPA	EN 13986: 2006 + A1: 2015	μ	4	4	4	4
BIOLOGICAL DURABILITY	EN 13986: 2006 + A1: 2015	Class of use	1	1	1	1
CONTENT IN PENTAFLOROPHENOL	EN 13986: 2006 + A1: 2015	ppm	<5	<5	<5	<5

TOLERANCE IN NOMINAL DIMENSIONS

PROPERTIES	REFERENCE TEST	UNITS	THICKNESS mm			
			> 30/40	> 40/45	> 45/60	> 60/70
THICKNESS	EN 324-1	mm	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3
LENGTH AND WIDTH	EN-324-1	mm	+/- 2 mm / m max +/- 5 mm.	+/- 2 mm / m max +/- 5 mm.	+/- 2 mm / m max +/- 5 mm.	+/- 2 mm / m max +/- 5 mm.
IT IS SQUARE	EN 324-2	mm / m	+/- 2	+/- 2	+/- 2	+/- 2
EDGE RECTITUDE	EN-324-2	mm / m	+/- 1,5	+/- 1,5	+/- 1,5	+/- 1,5

(*) This data is considered indicative.

(**) According to decision 2007/348 / CE.

These physical-mechanical values meet / improve the values established in the European standard EN 622-5: 2009, Table 9. - Requirements for ultralight MDF boards used in dry environments (UL1-MDF).

IBERPAN 400 complies with the requirements of Class E1 (analyzed according to UNE EN ISO 12460-5) defined in the European Standard EN 622-1: 2003.

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