

FIBRAPAN 400

TECHNICAL DATA-AVERAGE VALUES

Rev: 25/10/2017

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			16/19	>19/30
DENSITY (*)	EN 323	kg/m ³	450	450
INTERNAL BOND	EN 319	N/mm ²	0,20	0,20
BENDING STRENGTH	EN 310	N/mm ²	10	10
MODULUS OF ELASTICITY	EN 310	N/mm ²	1200	1200
THICKNESS SWELLING 24 H	EN 317	%	12	11
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,25	0,25
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	5	5
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	> 150	> 150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	E (**)/ Efl E (**)/ Efl (**)	E (**)/ Efl E (**)/ Efl (**)
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.07	0.07
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	20	20
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	4	4
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	10	10
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			16/19	>19/30
THICKNESS	EN 324-1	mm	+/-0,2	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/- 2 mm/m, máx +/- 5 mm.	+/- 2 mm/m, máx +/- 5 mm.
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-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 those established in EN 622-5:2009 European Standard, Table 9. Requirements for MDF ultralight boards used in dry environments (UL1-MDF)..

FIBRAPAN 400 meets Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 622-1:2003 European Standard.

(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.