



FINSA

solutions in wood

FIBRANOR

TECHNICAL DATA-AVERAGE VALUES

Rev: 01/23/2015

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			1,8/2,5	>2,5/4	>4/6
DENSITY (*)	EN 323	kg/m ³	890-850	850-825	820-800
INTERNAL BOND	EN 319	N/mm ²	0,90	0,90	0,85
BENDING STRENGTH	EN 310	N/mm ²	38	37	36
MODULUS OF ELASTICITY	EN 310	N/mm ²	---	---	2700
THICKNESS SWELLING 24 H	EN 317	%	45	35	30
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,4
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	10	10	10
SURFACE SOUNDNESS	EN 311	N/mm ²	>1,2	>1,2	>1,2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	> 150	> 150	> 150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05	≤ 0,05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8
REACTION TO FIRE TABLA EN 13986:2004+A1 I	EN 13501-1	Class	E	E	E
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13986:2004+A1	α	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13986:2004+A1	α	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13986:2004+A1	W/ (m·K)	0.16	0.15	0.15
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1	db	NPD	NPD	NPD
WATER VAPOUR PERMEABILITY WET CUP / DRY CUP	EN 13986:2004+A1	μ	22 / 33	21 / 31	20 / 30
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1	Use classes	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1	%	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			1,8/2,5	>2,5/4	>4/6
THICKNESS	EN 324-1	mm	Lijado: +/-0,15 Sin lijar: +/-0,20	Lijado: +/-0,15 Sin lijar: +/-0,20	Lijado: +/-0,15 Sin lijar: +/-0,20
LENGTH/WIDTH	EN-324-1	mm	+/- 2 mm/m	+/- 2 mm/m	+/- 2 mm/m
SQUARENESS	EN 324-2	mm/m	+/-1,5 mm/m	+/-1,5 mm/m	+/-1,5 mm/m
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5 mm/m	+/-1,5 mm/m	+/-1,5 mm/m

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

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. General requirements for boards to be used in dry environments (Type MDF).

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

FIBRANOR is protected by AITIM Quality Labels.

FIBRANOR STRIP meets the physical-mechanical characteristics described in this technical data sheet.

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