

FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF

TECHNICAL DATA-AVERAGE VALUES

Rev: 14/11/2017

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			>4-6	>6-9	>9-12
DENSITY (*)	EN 323	kg/m ³	880	870	870
INTERNAL BOND	EN 319	N/mm ²	1,90	1,80	1,70
BENDING STRENGTH	EN 310	N/mm ²	55	50	50
MODULUS OF ELASTICITY	EN 310	N/mm ²	3700	3700	3700
THICKNESS SWELLING 24 H	EN 317	%	15	10	8
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm ²	2,0	2,0	1,7
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	<1.0	<1.0	<1.0
SWELLING IN EDGE	EN 13329	%	25	20	10
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	E	D-s2,d0 (**)
INTERNAL BOND AFTER BOIL TEST (OPTION 2)	EN 1087-1 / EN 319	N/mm ²	0,60	0,40	0,15
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.17	0.17	0.17
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	25	27
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	34	34	34
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	23	23	23
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			>4-6	>6-9	>9-12
THICKNESS	EN 324-1	mm	+/- 0,15	+/- 0,15	+/- 0,15
			+/-2	+/-2	+/-2
LENGTH/WIDTH	EN-324-1	mm	mm/m, máx 5mm	mm/m, máx 5mm	mm/m, máx 5mm
SQUARENESS	EN 324-2	mm/m	+/- 2,0	+/- 2,0	+/- 2,0
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/- 1,5	+/- 1,5	+/- 1,5

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

(**) Mounted without an air gap behind the FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF. Mounted with a closed air gap not more than 22 mm behind the FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF classification D-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 4, Option 2. Requirements for general purpose boards for use in humid conditions (Type MDF.H).

FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF meet Class E1 requirements (analysed according EN 120) as defined in EN 622-1:2003 European Standard.

FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF are manufactured with formaldehyde-free resins.

FIBRANOR EXTERIOR FB NAF / FIBRAPAN EXTERIOR FB NAF is approved by the Air Resources Board of the State of California and comply with phase 2 requirements on low formaldehyde emissions and with US EPA TSCA Title VI.

(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.

