Finsa

FIBRANOR H E-Z / FIBRAPAN H E-Z / IBERPAN H E-Z

TECHNICAL DATA-AVERAGE VALUES — **Rev: 12/05/2019**

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			>2.5/4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/45	>45/60
DENSITY (*)	EN 323	kg/m3	880/860	855/830	825/770	765/745	745/730	730/715	730/675	700/650
INTERNAL BOND	EN 319	N/mm2	0.90	0.85	0.80	0.80	0.75	0.75	0.70	0.60
BENDING STRENGTH	EN 310	N/mm2	27	27	27	26	24	22	21	19
MODULUS OF ELASTICITY	EN 310	N/mm2	2700	2700	2700	2500	2400	2300	2300	2200
THICKNESS SWELLING 24 H	EN 317	%	30	18	12	10	8	7	7	6
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	6	6	5	5	4	4
SURFACE SOUNDNESS	EN 311	N/mm2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150	>150	>150	>150	>150	>150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
FORMALDEHYDE EMISSION	EN 717-1	ppm	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
REACTION TO FIRETABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	E	E	D-s2,d0 (**)	D-s2,d0 (***)	D-s2,d0	D-s2,d0	D-s2,d0
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	40	25	19	16	15	15	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm2	0,35	0.35	0,30	0,25	0,20	0,15	0,10	0,10
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0,20	0,20	0,20	0,20	0,20	0,20	0,20	0,20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0,15	0,15	0,14	0,13	0,12	0.12	0,12	0.11
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD	25	25	28	30	32	34
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	31	30	28	27	25	24	24	23
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	21	20	18	17	16	15	15	14
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2	1 y 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5	<5	<5	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm							
			>2.5/4	>4/6	>6/9	>9/12	>12/19	>19/30	>30/45	>45/60
THICKNESS	EN 324-1	mm	+/-0.15	+/-0.15	+/-0.2	+/-0.2	+/-0.2	+/-0.3	+/-0.3	+/-0.3
LENGTH/WIDTH	EN-324-1	mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

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

(***) Mounted without an air gap behind the FIBRAPAN H E-Z, or with a closed air gap behind the FIBRAPAN H E-Z for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRAPAN H E-Z for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRAPAN H E-Z classification D-s2,d2 in thicknesses between 10 and 18 mm. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 4, Option 1. Requirements for boards for gereral use in humid conditions (Type MDF.H).

FIBRANOR H E-Z / FIBRAPAN H E-Z / IBERPAN H E-Z meet Class E1 requirements as defined in the European Standard EN 622-1.

Low formaldehyde emission product E05 (<0.05 ppm EN 717-1).

The quality of FIBRANOR H E-Z / FIBRAPAN H E-Z / IBERPAN H E-Z is endorsed by AITIM Quality Labels.

(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.