Finsa

FIBRALAC TOP

TECHNICAL DATA-AVERAGE VALUES — **Rev: 14/11/2013**

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			8-9	>9-12	>12-19	>19-30
DENSITY (*)	EN 323	kg/m3	840/825	825/805	805/785	780/755
INTERNAL BOND	EN 319	N/mm2	1,30	1.20	1.05	0.90
BENDING STRENGTH	EN 310	N/mm2	30	30	30	26
MODULUS OF ELASTICITY	EN 310	N/mm2	3000	3000	3000	2600
THICKNESS SWELLING 24 H	EN 317	%	16	14	11	9
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0,4	0,3	0,3
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm2	1.4	1.4	1.4	1.4
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150	>150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8	≤ 8
REACTION TO FIRETABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	D-s2,d0(**)	D-s2,d0(***)	D-s2,d0
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	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
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.15	0.14	0.14	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	17	19	22	23
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	22/32	21/31	20/30	19/29
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	<5	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			8-9	>9-12	>12-19	>19-30
THICKNESS	EN 324-1	mm	+/- 0,2	+/- 0,2	+/- 0,2	+/- 0,3
LENGTH/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.
SQUARENESS	EN 324-2	mm/m	+/-2	+/-2	+/-2	+/-2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5	+/-1,5

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

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

(***) Mounted without an air gap behind the FIBRALAC TOP, or with a closed air gap behind the FIBRALAC TOP for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRALAC TOP for thicknesses equal or greater than 18 mm.
Mounted with a closed air gap not more than 22 mm behind the FIBRALAC TOP 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 by EN 622-5:2009 European Standard, TABLE 3. Requirements for boards generally used in dry environments.

FIBRALAC TOP meets Class E1 requirements (analysed according to EN 120) 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.