

FIBRANATUR H

TECHNICAL DATA-AVERAGE VALUES

Rev: 01/06/2021

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			11 - 13	>13 - 20	>20 - 31
DENSITY (*)	EN 323	kg/m ³	765/745	745/730	730/715
INTERNAL BOND	EN 319	N/mm ²	0.80	0.75	0.75
BENDING STRENGTH	EN 310	N/mm ²	26	24	22
MODULUS OF ELASTICITY	EN 310	N/mm ²	2500	2400	2300
THICKNESS SWELLING 24 H	EN 317	%	10	8	7
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	10	10	5
SURFACE SOUNDNESS	EN 311	N/mm ²	1.2	1.2	1,2
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.05	≤ 0.05	≤ 0.05
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	D- s2,d0(***)	D- s2,d0(****)	D- s2,d0(**)
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	16	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm ²	0.25	0.20	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)	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	25	28	30
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	27	25	24
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	16	15
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			11 - 13	>13 - 20	>20 - 31
THICKNESS	EN 324-1	mm	+0.1/-0.5	+0.1/-0.5	+0.1/-0.5
LENGTH/WIDTH	EN-324-1	mm	+0 mm / -3 mm	+0 mm / -3 mm	+0 mm / -3 mm

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

The thickness of the veneered board is understood as the thickness of the baseboard plus one millimetre (theoretical thickness of the veneer).

(**) Commission Decision 2007/348/EC.

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

(****) Mounted without an air gap behind the FIBRANATUR H . With a closed air gap behind the FIBRANATUR H for thicknesses equal or greater than 16mm. With an open air gap behind the FIBRANATUR H for thicknesses equal or greater than 19 mm.
Mounted with a closed air gap not more than 22 mm behind the FIBRANATUR H classification D-s2,d2 in thicknesses between 11 mm and 19 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 general use in humid conditions (Type MDF.H).

Fibranatur H meet Class E1 requirements (analysed according EN ISO 12460-5) as defined in EN 622-1 European Standard.

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