

FIMANATUR

TECHNICAL DATA-AVERAGE VALUES

Rev: 26/01/2018

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			6 - 7	>7 - 14	>14 - 21	>21 - 26	>26 - 31
DENSITY (*)	EN 323	kg/m ³	720/700	700/650	650/620	620/595	590/580
INTERNAL BOND	EN 319	N/mm ²	≥ 0,45	≥ 0,40	≥ 0,35	≥ 0,30	≥ 0,25
BENDING STRENGTH	EN 310	N/mm ²	≥ 12	≥ 11	≥ 11	≥ 10,5	≥ 9,5
MODULUS OF ELASTICITY	EN 310	N/mm ²	≥ 1950	≥ 1800	≥ 1600	≥ 1500	≥ 1350
THICKNESS SWELLING 2 H	EN 317	%	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
SURFACE SOUNDNESS	EN 311	N/mm ²	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8
MOISTURE CONTENT	EN 322	%	8+/-3	8+/-3	8+/-3	8+/-3	8+/-3
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
REACTION TO FIRE TABLA EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	D-s2,d0**	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	≥ 0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	≤ 0.14	≤ 0.14	≤ 0.13	≤ 0.12	≤ 0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	≥ 24	≥ 26	≥ 28	≥ 29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	50	50	50	50	50
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	17	16	15	15	15
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	< 5	< 5	< 5	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm				
			6 - 7	>7 - 14	>14 - 21	>21 - 26	>26 - 31
THICKNESS	EN 324-1	mm	+0.1/-0.7	+0.1/-0.7	+0.1/-0.5	+0.1/-0.5	+0.1/-0.5
LENGTH/WIDTH	EN-324-1	mm	+0 mm / -5 mm	+0 mm / -5 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 FIMANATUR.

Mounted with a closed air gap not more than 22 mm behind the FIMANATUR classification D-s2,d2.

Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(****) Mounted without an air gap behind the FIMANATUR, or with a closed air gap behind the FIMANATUR for thicknesses equal or greater than 16mm or with an open air gap behind the FIMANATUR for thicknesses equal or greater than 19 mm.

Mounted with a closed air gap not more than 22 mm behind the FIMANATUR classification D-s2,d2 in thicknesses between 11 mm and 19 mm. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with the P2 classification established in EN 312:2010 European Standard, Table 3. Boards for indoor applications (including furniture) in dry environments (Type P2). Requirements for the specified mechanical properties.

(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.