



## FIBRAPAN LIT IGNIFUGO - FR MDF LIGHT

### TECHNICAL DATA-AVERAGE VALUES

Rev: 11/04/2022

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			10/12	>12/19	>19/30
DENSITY (*)	EN 323	kg/m <sup>3</sup>	660	640	640
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0.45	0.45	0.45
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	20	18	15
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	1700	1600	1500
THICKNESS SWELLING 24 H	EN 317	%	16	14	12
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.5	0.5	0.4
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	7	7	6
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.1	≤ 0.1	≤ 0.1
REACTION TO FIRE	EN 13501-1	Euroclass	B-s2,d0	B-s2,d0	B-s2,d0
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)	0.11	0.10	0.10
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	25	27	30
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	23	22	22
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	14	14	14
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5	< 5

### TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			10/12	>12/19	>19/30
THICKNESS	EN 324-1	mm	+/-0.20	+/-0.20	+/-0.20
			+/- 2	+/- 2	+/- 2
LENGTH/WIDTH	EN-324-1	mm	mm/m	mm/m	mm/m
			max +/- 5 mm.	max +/- 5 mm.	max +/- 5 mm.
SQUARENESS	EN 324-2	mm/m	+/- 2	+/- 2	+/- 2
			mm/m .	mm/m	mm/m
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1.5	+/-1.5	+/-1.5
			mm/m .	mm/m	mm/m

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

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 7. Requirements for general purpose MDF lightweight boards for use in dry conditions (Type L- MDF.E1).

FIBRAPAN LIT IGNIFUGO meets Class E1 requirements (analysed according to EN ISO 12460-5) as defined in EN 622-1:2003 European Standard.

The quality of FIBRAPAN LIT IGNIFUGO is endorsed by AITIM Quality Labels

FIBRAPAN LIT IGNIFUGO holds CE certificate of conformity of the factory production control issued by AENOR, number 0099/CPR/A65/0051.

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.