

## MEDILAND MH

### TECHNICAL DATA-AVERAGE VALUES

Rev: 26/11/2021

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			10/12	>12/19	>19/30	>30/35
DENSITY (*)	EN 323	kg/m <sup>3</sup>	740	700/690	680/660	620
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0,80	0,75	0,75	0,70
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	26	24	22	21
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	2500	2400	2300	2300
THICKNESS SWELLING 24 H	EN 317	%	10	8	7	7
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,3	0,3	0,3
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6	5	5	5
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	1,2	1,2	1,2	1,2
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 EMISSION	EN 717-1	ppm	0.10	0.10	0.10	0.10
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	D- s2,d0(**)	D- s2,d0(***)	D-s2,d0	D-s2,d0
SWELLING IN THICKNESS AFTER CYCLIC TEST (V313)	EN 321 / EN 317	%	16	15	15	15
INTERNAL BOND AFTER CYCLIC TEST (V313)	EN 321 / EN 319	N/mm <sup>2</sup>	0,25	0,20	0,15	0,10
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)	0.13	0.12	0.12	0.10
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	25	28	30	31
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	27	25	24	21
			17	16	15	13
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 & 2	1 & 2	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	<5	<5	<5	<5

### TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			10/12	>12/19	>19/30	>30/35
THICKNESS	EN 324-1	mm	+/-0,2	+/-0,2	+/-0,2	+/-0,2
			+/- 2	+/- 2	+/- 2	+/- 2
LENGTH/WIDTH	EN-324-1	mm	mm/m, máx +/- 5 mm	mm/m, máx +/- 5 mm	mm/m, máx +/- 5 mm	mm/m, máx +/- 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

### RESISTANCE TO ABRASION:

	TEST METHOD	CLASS	IP NUMBER OF TURNS
=	EN 14323	4	>350

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

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

(\*\*\*) Mounted without an air gap behind the MEDILAND MH, or with a closed air gap behind the MEDILAND MH for thicknesses equal or greater than 15mm or with an open air gap behind the MEDILAND MH for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the MEDILAND MH 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 general use in humid conditions (Type MDF.H).

MEDILAND MH meets Class E1 requirements (analysed according EN ISO 12460-5) 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.

---

---