

MEDILAND M1 E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 21/10/2019

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm		
			10/12	>12/19	>19/30
DENSITY (*)	EN 323	kg/m ³	760/750	750/720	710/700
INTERNAL BOND	EN 319	N/mm ²	0,60	0,55	0,55
BENDING STRENGTH	EN 310	N/mm ²	22	20	18
MODULUS OF ELASTICITY	EN 310	N/mm ²	2500	2200	2100
THICKNESS SWELLING 24 H	EN 317	%	15	12	10
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,5	0,5	0,4
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	7	7	6
SURFACE SOUNDNESS	EN 311	N/mm ²	1,2	1,2	1,2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	< 0.05	< 0.05	< 0.05
FORMALDEHYDE EMISSION	EN 717-1	ppm	< 0.05	< 0.05	< 0.05
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)	0.13	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	26	28	31
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	28	25	25
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	18	16	16
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	+/-0,2	+/-0,2	+/-0,3
LENGTH/WIDTH	EN-324-1	mm	+/- 2	+/- 2	+/- 2
			mm/m max +/- 5 mm	mm/m max +/- 5 mm	mm/m max +/- 5 mm
SQUARENESS	EN 324-2	mm/m	+/-2	+/-2	+/-2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5	+/-1,5

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

These physical-mechanical values improve/comply with those established in EN 622-5:2009 European Standard, Table 3. Requirements for boards used in dry environments (Type MDF).

MEDILAND M1 E-Z bears CE Marking certified by FCBA.

Low formaldehyde emission product E05 (<0.05 ppm EN 717-1).

MEDILAND M1 E-Z is CARB Phase 2 and US EPA TSCA Title VI certified

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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.