



FINSA

solutions in wood

COMPACMEL PLUS IGNIFUGO

TECHNICAL DATA-AVERAGE VALUES

Rev: 07/02/2014

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			8-12	>12-19
DENSITY (*)	EN 323	kg/m3	1050	1050
INTERNAL BOND	EN 319	N/mm2	1,8	1,8
BENDING STRENGTH	EN 310	N/mm2	45	45
MODULUS OF ELASTICITY	EN 310	N/mm2	4000	4000
THICKNESS SWELLING 24 H	EN 317	%	2	2
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,40	0,40
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	6,0	6,0
SURFACE SOUNDNESS	EN 311	N/mm2	1,7	1,7
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05
SWELLING IN EDGE	EN 13329	%	10	9
REACTION TO FIRE II	UNE EN 13501-1	Euroclass	B-s1,d0	B-s1,d0
INTERNAL BOND AFTER BOIL TEST (OPTION 2)	EN 1087-1 / EN 319	N/mm2	0,2	0,15

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			8-12	>12-19
THICKNESS	EN 324-1	mm	+/-0,30	+/-0,30
LENGTH/WIDTH	EN-324-1	mm	+/- 2 mm/m max 5 mm	+/- 2 mm/m max 5 mm
SQUARENESS	EN 324-2	mm/m	+/- 2,0	+/- 2,0
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/- 1,5	+/- 1,5

COATING PROPERTIES

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm
RESISTANCE TO SCRATCHING	UNE-EN 14323	N	≥2
RESISTANCE TO CRACKING	UNE-EN 14323	Rating	4
RESISTANCE TO STAINING (GROUP 3)	UNE EN 14323	Rating	4
RESISTANCE TO DRY HEAT	UNE-EN 14323	Rating	4
IMPACT RESISTANCE	UNE-EN 14323	Mm H	1500

VISUAL DEFECTS

EDGES DAMAGED	UNE-EN 14323	mm	≤10 (**) ≤3(***)
SURFACE DEFECTS. POINTS	UNE-EN 14323	mm2/m2	≤2
SURFACE DEFECTS. LENGHT	UNE-EN 14323	mm/m2	≤20

RESISTANCE TO ABRASION:	TEST METHOD	CLASS	IP NUMBER OF TURNS	WR NUMBER OF TURNS
RESISTANCE TO ABRASION:. DESIGNS (GENERAL APPLICATIONS)	UNE-EN 14323	1	<50	<150
RESISTANCE TO ABRASION. UNICOLORS AND HORIZONTAL APPLICATIONS (AH)	UNE-EN 14323	3A	>150	>350

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

(**) Commercial size available .

(***) Custom-cut boards.

COMPACMEL PLUS IGNIFUGO standard colours: Gris I, Beige, Amarillo Sol, Mandarina, Rojo, Verde Natural, Azul Eo and White SR fulfill resistance to abrasion class 3B (>650revs) defined in the european standard EN 14322.

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 6 "Requirements for structural boards used in humid conditions (Type MDF.HLS)"

COMPACMEL PLUS IGNIFUGO meets Class E1 requirements (analysed according EN 120) as defined in EN 622-1:2003 European Standard.

COMPACMEL PLUS IGNIFUGO holds CE Certificate of conformity of the factory production control issued by the European Notified Body AENOR, number 0099/CPR/A65/0026.