

COMPACMEL PLUS IGNIFUGO E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 30/04/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			8-12	>12-19
DENSITY (*)	EN 323	kg/m ³	1050	1050
INTERNAL BOND	EN 319	N/mm ²	1,8	1,8
BENDING STRENGTH	EN 310	N/mm ²	45	45
MODULUS OF ELASTICITY	EN 310	N/mm ²	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/mm ²	1,7	1,7
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0.05	≤ 0.05
FORMALDEHYDE EMISSION CLASS E1	EN ISO 12460-3	mg/(m ² .h)	≤ 3,5	≤ 3,5
SWELLING IN EDGE	EN 13329	%	10	8
REACTION TO FIRE	EN 13501-1	Euroclass	B-s1,d0	B-s1,d0
INTERNAL BOND AFTER BOIL TEST (OPTION 2)	EN 1087-1 / EN 319	N/mm ²	0,20	0,15
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13984:2004+A1:2015	α	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.19	0.19
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	26	29
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	43	43
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	30	30
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1 & 2	1 & 2
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	
MECHANICAL DURABILITY	EN 13986:2004+A1:2015	Kmod Kdef	Tabla 3.1, EN 1995-1:2004; 3.2, EN 1995-1:2004;	Tabla 3.1, EN 1995-1:2004; 3.2, EN 1995-1:2004;

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	+/- 2
			mm/m	mm/m
			max 5 mm	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	EN 14323	N	≥2
RESISTANCE TO CRACKING	EN 14323	Rating	4
RESISTANCE TO STAINING (GROUP 3)	EN 14323	Rating	4
COLOR RESISTANCE TO UV LIGHT (XENON LAMP)	EN 14323; EN 14323	Blue wool scale, n°	> 6
RESISTANCE TO DRY HEAT	EN 14323	Rating	4
IMPACT RESISTANCE	EN 14323	Mm H	1500
ANTIBACTERIAL EFFICIENCY	ISO 22196	%	≥ 99.9

VISUAL DEFECTS

EDGES DAMAGED	EN 14323	mm	≤10 (**) ≤3 (***)
SURFACE DEFECTS. POINTS	EN 14323	mm ² /m ²	≤2
SURFACE DEFECTS. LENGHT	EN 14323	mm/m ²	≤20

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

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

(**) Commercial size available .

(***) Custom-cut boards.

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

Product tested by IMSL under the Standard ISO 22196:2011, verifying that inhibits the growth and development of bacteria without affecting the characteristics of the coating.

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 E-Z is a low formaldehyde emission product E05 (<0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 14322 European Standard.

COMPACMEL PLUS IGNIFUGO E-Z is CARB Phase 2 and US EPA TSCA Title VI compliant as it is manufactured applying melamine paper onto a COMPAC PLUS IGNIFUGO E-Z board which is US EPA TSCA TITLE VI and CARB phase 2 certified by TPC-15.certified

Link to EPA certificate: <https://drive.google.com/open?id=1YIDFyLRHfE0pIQafBaPEBRz6pTM3VRrd>

Link to CARB P2 certificate: <https://drive.google.com/open?id=1U6i1Q-hBB7hE2696FulAyiX-p4Pp7Qxp>

Lint to quarter atestation: <https://drive.google.com/open?id=0B-Xe1750UJbXclZJN0JnYmQxYIE>

COMPAMELC PLUS IGNIFUGO E-Z is endorsed by AITIM Quality Labels.

COMPACMEL PLUS IGNIFUGO E-Z holds CE certificate of conformity of the factory production control issued by AENOR with number 0099/CPR/A65/0054.

Link to download: <https://drive.google.com/open?id=1XSk9HzT3bGNys0xTRmz9ZCZeiQwworPf>

(!) Reaction to fire classification report and field of application, links to reports:

https://drive.google.com/open?id=1_cThYF6nc6jJ28iYwch8yRzycckK9yM

Individual test reports available under request.

<div style="visibility:hidden;">(SELECT)</div>

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.