

## DECLARATION OF PERFORMANCE N° 00257



25/11/2020

### COMPACMEL PLUS IGNIFUGO E-Z

Manufactured at: Finsa Padrón  
Paraiso s/n  
15900 PADRÓN (ESPAÑA)

TECHNICAL CLASS	INTENDED USE	AVCP*	NOTIFIED BODY AND REFERENCE	CERTIFICATE NUMBER
MFB EN 622-5 MDF.HLS	Internal use as structural component in humid conditions	1	AENOR 0099	0099/CPR/A65/0054

\*Assessment and verification of constancy of performance system according to Annex V of regulation (EU) No 305/2011

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			8-12	>12-19
<b>CHARACTERISTIC STRENGTH ( ! )</b>				
BENDING $f_{m,0,k}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	22	22
COMPRESSION $f_{c,90,k}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	18.0	16.5
TENSION $f_{t,0,k}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	18.0	16.5
PANEL SHEAR $f_{v,k}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	8.5	8.5
PLANAR SHEAR $f_{r,k}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD
<b>CHARACTERISTIC STIFFNESS (MOE) (!)</b>				
CHARACTERISTIC DENSITY $d_k$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	1050	1050
TENSION $E_{t,0,mean}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	3100	2800
COMPRESSION $E_{c,90,mean}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	3100	2800
BENDING $E_{m,0,mean}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	3700	3200
PANEL SHEAR $g_{v,mean}$	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	1000	1000
POINT LOAD $F_{ULS}$ FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD
POINT LOAD MEAN STIFFNESS FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD
POINT LOAD SERVICEABILITY $F_{SLS}$ FOR FLOORS AND ROOFS	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD
RACKING RESISTANCE FOR WALLS	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD
SOFT BODY IMPACT RESISTANCE PARA FORJADOS, CUBIERTAS Y MUROS	EN 13986:2004+A1:2015	N/mm <sup>2</sup>	NPD	NPD

# Finsa

FINANCIERA MADERERA S.A. (FINSA)  
N-550, KM 57  
15890 SANTIAGO DE COMPOSTELA (A  
CORUÑA)  
SPAIN

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#### TECHNICAL DATA-AVERAGE VALUES

Rev: 30/04/2020

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			8-12	>12-19
DENSITY (*)	EN 323	kg/m <sup>3</sup>	1050	1050
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	1,8	1,8
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	45	45
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	4000	4000
THICKNESS SWELLING 24 H	EN 317	%	2	2
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,40	0,40
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6,0	6,0
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	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 <sup>2</sup> .h); mg/L	≤ 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 <sup>2</sup>	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	EN 13986:2004+A1:2015	ppm		

Tabla	Tabla
3.1, EN	3.1, EN
1995-	1995-
1:2004;	1:2004;
Tabla	Tabla
3.2, EN	3.2, EN
1995-	1995-
1:2004;	1:2004;

(\*) 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=1YIDFyLRHfE0pQafBaPEBRz6pTM3VRrd>

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

Link to quarter atestation: <https://drive.google.com/open?id=0B-Xe1750UJbXciZJN0JnYmQxYIE>

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\\_cThYF6nc6jJ28iYwch8yRzyckkK9yM](https://drive.google.com/open?id=1_cThYF6nc6jJ28iYwch8yRzyckkK9yM)

Individual test reports available under request.

The performance of the reference product are in compliance with the performance declared above  
 This Declaration of Performance is issued under the sole responsibility of FINANCIERA MADERERA S.A. (FINSA)

**Javier Portela**  
 FINSA R&D + Quality Director  
 Santiago de Compostela 25/11/2020

  
