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FIBRAPLAST IGNIFUGO E-Z

TECHNICAL DATA-AVERAGE VALUES — **Rev: 11/02/2021**

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			10 - 12	>12/15	>15/19	>19/30
DENSITY (*)	EN 323	kg/m3	830/800	800/790	790/780	780/760
INTERNAL BOND	EN 319	N/mm2	0.60	055	0.55	0.55
BENDING STRENGTH	EN 310	N/mm2	22	20	20	18
MODULUS OF ELASTICITY	EN 310	N/mm2	2500	2200	2200	2100
THICKNESS SWELLING 24 H	EN 317	%	15	12	12	10
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0.4	0.4	0.4	0.3
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	6	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm2	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	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
REACTION TO FIRE	EN 13501-1	Euroclass	B-s1,d0 (!)	B-s1,d0 (!)	B-s1,d0 (!)	B-s1,d0 (!)
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)	0.14	0.14	0.13	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	25	27	29	30
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	30	29	28	28
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	20	19	18	18
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1	1	1
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	>12/15	>15/19	>19/30
THICKNESS ON NOMINAL DIMENSIONS	EN 14323	mm	+/-0.3 (Clase 1) +0.5/-0.3 (Clase 3A)	+/-0.3 (Clase 1) +0.5/-0.3 (Clase 3A)	+/-0.3 (Clase 1) +0.5/-0.3 (Clase 3A)	+/-0,5
THICKNESS WITHIN THE BOARD	EN 14323	mm	max-min <0,6	max-min <0,6	max-min <0,6	max-min <0,6
LENGHT & WIDTH	EN 14323	mm	+/-5	+/-5	+/-5	+/-5
FLATNESS (SOLAMENTE EN REVESTIMIENTOS EQUILIBRADOS)	UNE-EN-14323	mm/m	-	-	≤ 2	≤ 2

COATING PROPERTIES

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm
RESISTANCE TO SCRATCHING	EN 14323	N	≥ 1.5
RESISTANCE TO CRACKING	EN 14323	Rating	≥ 3
SURFACE ASPECT	EN 14323	Rating	4
RESISTANCE TO STAINING (GROUPS 1 Y 2)	EN 14323	Rating	5
RESISTANCE TO STAINING (GROUP 3)	EN 14323	Rating	4
COLOR RESISTANCE TO UV LIGHT (XENON LAMP)	EN 14323; EN 14323	Blue wool scale, nº	>6

VISUAL DEFECTS

EDGES DAMAGED	EN 14323	mm	≤ 10
SURFACE DEFECTS. POINTS	EN 14323	mm2/m2	≤ 2
SURFACE DEFECTS. LENGHT	EN 14323	mm/m2	≤ 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.

FIBRAPLAST IGNIFUGO E-Z is a melamine faced medium density fibreboard type MFB EN 622-5 MDF

FIBRAPLAST IGNIFUGO E-Z holds CE certificate of constancy of performance nr 0099/CPR/A65/0003 issued by AENOR,
Link to certificate: https://drive.google.com/open?id=1WzOlwK1MpcCZJyQIY9H_oNkVfNr6ATF8

(!) Reaction to fire classification report and field of application, link to report:
https://drive.google.com/open?id=1nav_YCeP7AmJcZeQqfniWvswHV-hLqT6
link to EXAP report: https://drive.google.com/open?id=1hd4HzAIQhCk7g6FCcY6a8dBV9NR2qf85
Individual test reports avaliable under request.

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

FIBRAPLAST IGNIFUGO E-Z is US EPA TSCA TITLE VI and CARB phase 2 compliant as it is manufactured aplying melamine paper onto a FIBRAPAN IGNIFUGO E-Z board which is US EPA TSCA TITLE VI and CARB phase 2 certified by TPC-15.
Link to certificate: https://drive.google.com/open?id=0B-Xe1750UJbXWnJQbEJyT1ctYVE
Link to quarterly atestation: https://drive.google.com/open?id=0B-Xe1750UJbXclZJN0JnYmQxYlE

The quality of FIBRAPLAST IGNIFUGO E-Z is endorsed by AITIM Quality Labels.
Link to certificate: https://drive.google.com/open?id=0B-Xe1750UJbXMTVJa283SndhcE0

HANDLING/STORAGE:
It must always be stored under cover and on a flat surface.
65% of humidity is the ideal condition for its storage, dryer or more moist environments should be avoided.
It must never be in direct contact with water.
Blocks must always be lined up with the vertical.
Never pile up more than 4 heights.
If the packaging is damaged during its handling, it must be packed again so the product is correctly preserved.

If the piling-up conditions or the changes in moisture or temperature above mentioned are not respected in the warehouses or the processing areas, they may cause irreversible deformations and warpings.

(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.