



FINSA

solutions in wood

FIBRAPLAST IGNIFUGO E-Z

TECHNICAL DATA-AVERAGE VALUES

Rev: 12/15/2015

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			12	>12/15	<15/19	>19/30
DENSITY (*)	EN 323	kg/m ³	800	800/790	790/780	780/760
INTERNAL BOND	EN 319	N/mm ²	0.60	0.55	0.55	0.55
BENDING STRENGTH	EN 310	N/mm ²	22	20	20	18
MODULUS OF ELASTICITY	EN 310	N/mm ²	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 THICKNESS	EN 318	%	6	6	6	5
SURFACE SOUNDNESS	EN 311	N/mm ²	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 CONTENT	EN 120	mg/100 g				
FORMALDEHYDE EMISSION CLASS E1	UNE EN 717-2	mg/(m ² .h)	≤ 3,5	≤ 3,5	≤ 3,5	≤ 3,5
REACTION TO FIRE	EN 13501-1	Euroclass	B-s2,d0	B-s2,d0	B-s2,d0	B-s2,d0
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13986:2004+A1	α	0.10	0.10	0.10	0.10
SOUND ABSORPTION COEFFICIENT (A) (1000 A 2000 HZ)	EN 13986:2004+A1	α	0.20	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13986:2004+A1	W/ (m.K)	0.14	0.14	0.13	0.13
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1	db	25	27	29	30
WATER VAPOUR PERMEABILITY WET CUP / DRY CUP	EN 13986:2004+A1	μ	20/30	19/29	18/28	18/28
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1	Use classes	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1	%	<5	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm			
			12	>12/15	<15/19	>19/30
THICKNESS ON NOMINAL DIMENSIONS	UNE-EN-14323	mm	+/-0,3 (AI,AV) +0,5/-0,3 (AH)	+/-0,3 (AI,AV) +0,5/-0,3 (AH)	+/-0,3 (AI,AV) +0,5/-0,3 (AH)	+/-0,5
THICKNESS WITHIN THE BOARD	UNE-EN-14323	mm	max-min <0,6	max-min <0,6	max-min <0,6	max-min <0,6
LENGHT & WIDTH	UNE-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	UNE-EN 14323	N	≥ 1.5
RESISTANCE TO CRACKING	UNE-EN 14323	Rating	≥ 3
SURFACE ASPECT	UNE-EN 14323	Rating	4
RESISTANCE TO STAINING (GROUPS 1 Y 2)	UNE EN 14323	Rating	5
RESISTANCE TO STAINING (GROUP 3)	UNE EN 14323	Rating	4

VISUAL DEFECTS

EDGES DAMAGED	UNE-EN 14323	mm	≤ 10
SURFACE DEFECTS. POINTS	UNE-EN 14323	mm ² /m ²	≤ 2
SURFACE DEFECTS. LENGHT	UNE-EN 14323	mm/m ²	≤ 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.

The quality of FIBRAPLAST IGNIFUGO E-Z is endorsed by AITIM Quality Labels.

FIBRAPLAST IGNIFUGO E-Z holds CE certificate of conformity of the factory production control issued by AENOR,

FIBRAPLAST IGNIFUGO E-Z meet Class E1 requirements as defined in EN 14322.

FIBRAPLAST IGNIFUGO E-Z bears Certificate of Conformity with CARB phase 2 requirements, regarding formaldehyde emission limits.

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.