

**FIBRAPRINT FUSSION E-Z****TECHNICAL DATA-AVERAGE VALUES**

Rev: 28.01.2021

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			2/4	>4/6
DENSITY (*)	EN 323	kg/m ³	825	800
INTERNAL BOND	EN 319	N/mm ²	0,90	0,85
BENDING STRENGTH	EN 310	N/mm ²	38	38
MODULUS OF ELASTICITY	EN 310	N/mm ²	-	2700
THICKNESS SWELLING 24 H	EN 317	%	35	28
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4
DIMENSIONAL MOVEMENT THICKNESS	EN 318	%	10	10
SURFACE SOUNDNESS	EN 311	N/mm ²	>1,2	>1,2
MOISTURE CONTENT	EN 322	%	7+/-3	7+/-3
GRIT CONTENT	ISO 3340	% Weight	≤ 0,05	≤ 0,05
FORMALDEHYDE EMISSION	EN 717-1	ppm	≤ 0,05	≤ 0,05
REACTION TO FIRE TABLA 8 EN EN 13986:2006+A1:2015	EN 13501-1	Class	E	E
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)	0.16	0.15
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	33	31
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	22	21
BIOLOGICAL DURABILITY USE	EN 335	Class of use	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	ppm	< 5	< 5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm	
			2/4	>4/6
THICKNESS	EN 324-1	mm	+/-0,20	+/-0,20
LENGTH/WIDTH	EN-324-1	mm	+/- 2 mm/m, máx +/- 5 mm	+/- 2 mm/m, máx +/- 5 mm
SQUARENESS	EN 324-2	mm/m	+/-2	+/-2
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/-1,5	+/-1,5

COATING PROPERTIES

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm
SHORE D HARDNESS	EN ISO 868	Shore	>65
CORTE POR ENREJADO	EN ISO 2409	Rating	2
FLUID RESISTANCE: ACETONE, SOSA 10%	EN ISO 2812/1	Rating	2
FLUID RESISTANCE: SOSA 10%	EN ISO 2812/1	Rating	2

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

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. General requirements for boards to be used in dry environments (Type MDF).

FIBRAPRINT FUSSION E-Z is a low formaldehyde emission product E05 (<0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1 European Standard.

FIBRAPRINT FUSSION E-Z is US EPA TSCA TITLE VI and CARB phase 2 compliant as it is manufactured with MDF CARB Phase 2 and US EPA TSCA Title VI certified (Formaldehyde emission < 0.11 ppm ASTM E 1333).

Link to EPA certificate:

<https://drive.google.com/file/d/0B-Xe1750UJbXUkh1SjRXWGdhTHc/view?usp=sharing>

Link to EPA quarter atestation:

<https://drive.google.com/file/d/1B3QLus0sAXkOrMtqynNhkTswW3hVevuF/view?usp=sharing>

Link to CARB P2 certificate:

<https://drive.google.com/file/d/0B-Xe1750UJbXY3ZRUmN6TzhodXc/view?usp=sharing>

Link to EPA/ CARB P2 quarter atestation:

<https://drive.google.com/file/d/0B-Xe1750UJbXM1pIUFN1VXNURXM/view?usp=sharing>

RECOMMENDATION OF USE:

We recommend the use with inks with a surface tension lower than 60 mN/m. In any case, it is necessary for the client to carry out a prior validation test to guarantee the compatibility of the products and finishing processes used.

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.

Exposition for a long time to temperatures below 5°C and above 30°C should be avoided.

It must never be in direct contact with water.

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.

The use of this product is recommended within three months of receiving it.

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