



FINSA

solutions in wood

FIBRACOLOUR BLACK

TECHNICAL DATA-AVERAGE VALUES

Rev: 02/07/2018

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm						
			3-4	>4-6	>6-9	>9-12	>12-19	>19-30	>30-40
DENSITY (*)	EN 323	kg/m ³	850	800	790/750	750/740	740/710	710/700	690/680
INTERNAL BOND	EN 319	N/mm ²	0,90	0,70	0,60	0,60	0,55	0,55	0,50
BENDING STRENGTH	EN 310	N/mm ²	35	30	30	25	25	20	18
MODULUS OF ELASTICITY	EN 310	N/mm ²	3000	2700	2700	2500	2200	2100	2000
THICKNESS SWELLING 24 H	EN 317	%	35	30	17	15	12	10	8
DIMENSIONAL MOVEMENT LENGTH/WIDTH	EN 318	%	0,4	0,4	0,4	0,4	0,4	0,4	0,4
DIMENSIONAL MOVEMENT TICKNESS	EN 318	%	10	10	6	6	6	6	6
SURFACE SOUNDNESS	EN 311	N/mm ²	1,2	1,2	1,2	1,2	1,2	1,2	1,2
SURFACE ABSORPTION (TWO FACES)	EN 382-1	mm	>150	>150	>150	>150	>150	>150	>150
MOISTURE CONTENT	EN 322	%	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3	7 +/- 3
GRIT CONTENT	ISO 3340	% Weight	0,05	0,05	0,05	0,05	0,05	0,05	0,05
FORMALDEHYDE CONTENT	EN ISO 12460-5	mg/100 g	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
REACTION TO FIRE TABLA 8 EN 13986:2004+A1:2015 I	EN 13501-1	Class	E	E	E	D-s2,d0	D-s2,d0(**)	D-s2,d0	D-s2,d0
SOUND ABSORPTION COEFFICIENT (A) (250 A 500 HZ)	EN 13984:2004+A1:2015	α	0.10	0.10	0.10	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	0.20	0.20	0.20
THERMAL CONDUCTIVITY	EN 13984:2004+A1:2015	W/ (m·K)	0.16	0.15	0.13	0.13	0.12	0.12	0.12
AIRBORNE SOUND INSULATION (SURFACE MASS) (R)	EN 13986:2004+A1:2015	db	NPD	NPD	24	26	28	30	32
WATER VAPOUR PERMEABILITY DRY CUP	EN 13986:2004+A1:2015	μ	33	30	28	27	25	24	26
WATER VAPOUR PERMEABILITY WET CUP	EN 13986:2004+A1:2015	μ	22	20	18	17	16	16	16
BIOLOGICAL DURABILITY USE	EN 13986:2004+A1:2015	Class of use	1	1	1	1	1	1	1
CONTENT OF PENTACHLOROPHENOL (PCP)	EN 13986:2004+A1:2015	%	<5	<5	<5	<5	<5	<5	<5

TOLERANCE ON NOMINAL DIMENSIONS

PROPERTIES	TEST METHOD	UNITS	THICKNESSES mm						
			3-4	>4-6	>6-9	>9-12	>12-19	>19-30	>30-40
THICKNESS	EN 324-1	mm	+/- 0,15	+/- 0,15	+/- 0,20	+/- 0,20	+/- 0,20	+/- 0,30	+/- 0,30
LENGTH/WIDTH	EN-324-1	mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm	+/-2 mm/m, máx 5mm

SQUARENESS	EN 324-2	mm/m	+/- 2,0	+/- 2,0	+/- 2,0	+/- 2,0	+/- 2,0	+/- 2,0	+/- 2,0
EDGE STRAIGHTNESS	EN-324-2	mm/m	+/- 1,5	+/- 1,5	+/- 1,5	+/- 1,5	+/- 1,5	+/- 1,5	+/- 1,5

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

(**) Mounted without an air gap behind the FIBRACOLOUR BLACK. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR BLACK classification D-s2,d2. Classification E for any other more restrictive condition. Commission Decision 2007/348/EC.

(***) Mounted without an air gap behind the FIBRACOLOUR BLACK, or with a closed air gap behind the FIBRACOLOUR BLACK for thicknesses equal or greater than 15mm or with an open air gap behind the FIBRACOLOUR BLACK for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the FIBRACOLOUR BLACK classification D-s2,d2 in thicknesses between 10 and 18 mm. Commission Decision 2007/348/EC.

These physical-mechanical values improve/comply with those established by EN 622-5:2009 European Standard, Table 3. Requirements for boards for use in dry conditions (type MDF)

FIBRACOLOUR BLACK meets Class E1 requirements (analysed according to EN ISO 12460-5) as defined in EN 622-1:2003 European Standard.
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