

DECLARATION OF PERFORMANCE	
Reference :	DOPFibromaxCompactMRBlackv1
Commercial name :	Fibromax Compact MR Black
Product type :	MDF Fibreboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.9
CE Class :	MDF.H
Field of application :	Internal use as non-structural component in humid conditions
AVCP Class :	4
Certification number:	Not Applicable
Produced at:	Zone Industrielle, F-08140 Bazeilles

Essential Characteristic	Unit	Reference	Thickness range (mm)					
			6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Bending strength	N/mm ²	EN 622-5	48	48	46	43	NPD	NPD
Modulus of elasticity in bending	N/mm ²	EN 622-5	4850	4850	4500	3950	NPD	NPD
Internal bond	N/mm ²	EN 622-5	1.70	1.70	1.70	1.60	NPD	NPD
Swelling in thickness, 24h	%	EN 622-5	7	6	6	5	NPD	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm ²	EN 622-5	0.4	0.4	0.4	0.4	NPD	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5	12	12	12	12	NPD	NPD
Surface Soundness	N/mm ²	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1	E1	NPD	NPD
Reaction to fire	Class	EN 13501-1	E	D-s2d0(*)	D-s2d0	D-s2d0	NPD	NPD
Water vapour permeability μ	wet dry	EN 13986 - table 9	NPD	NPD	NPD	NPD	NPD	NPD
Airborne sound insulation	dB	EN 13986-5.10	NPD	NPD	NPD	NPD	NPD	NPD
Sound absorption α		EN 13986 - table 10	0,10/0,20	0,10/0,20	0,10/0,20	0,10/0,20	NPD	NPD
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0.14	0.14	0.13	0.13	NPD	NPD
Strength - tension f_t	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression f_c	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending f_m	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear f_v	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear f_r	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - tension E_t	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - compression E_c	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - bending E_m	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - panel shear G_v	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength R_{mean}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength $F_{ser,k}$	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength $F_{max,k}$	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta_{30,85}$	mm/m	EN 318	NPD	NPD	NPD	NPD	NPD	NPD
Mechanical durability (kmod; kdef)		Shall be taken from :	NPD	NPD	NPD	NPD	NPD	NPD
Biological durability	Service Class	EN 335	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	NPD
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5	<5	<5	NPD

(*) <9mm : E; 9mm : D-s2,d0

Informative Characteristic	Unit	Reference	Thickness range (mm)					
			6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Formaldehyde content	mg/100g	EN 120	< 8 mg/100g DS					
Density	kg/m ³	EN 323	1050	1050	1050	1050	NPD	NPD

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