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DECLARATION OF PERFORMANCE	
Reference :	DOPFibraluxMRFRNAFv1
Commercial name :	Fibralux MR FR NAF
Product type :	MDF Fibreboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.9
CE Class :	MDF.H FR
Field of application :	Internal use as non-structural component in humid conditions
AVCP Class :	1
Certification number:	1161-CPR-1414 [6-30mm]
Produced at:	Rue de la Forêt 2, B-6690 Vielsalm

Essential Characteristic	Unit	Reference	Thickness range (mm)					
			6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Bending strength	N/mm²	EN 622-5	27	27	26	24	22	NPD
Modulus of elasticity in bending	N/mm²	EN 622-5	2700	2700	2500	2400	2300	NPD
Internal bond	N/mm²	EN 622-5	0,80	0,80	0,80	0,75	0,75	NPD
Swelling in thickness, 24h	%	EN 622-5	12	12	10	8	7	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm²	EN 622-5	0,3	0,25	0,2	0,15	0,1	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5	19	16	15	15	15	NPD
Surface Soundness	N/mm²	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1	E1	E1	NPD
Reaction to fire	Class	EN 13501-1	B-s1d0	B-s1d0	B-s1d0	B-s1d0	B-s1d0	NPD
Water vapour permeability μ	wet	EN 13986 - table 9	20	20	20	20	20	NPD
	dry		12	12	12	12	12	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	0,10/0,20	NPD
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0,1	0,1	0,1	0,1	0,1	NPD
Strength - tension ft	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending f_m	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear f_v	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear f_r	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - tension E_t	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - compression E_c	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - bending E_m	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - panel shear G_v	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength R_{mean}	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta l_{30,85}$	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	NPD	1	1	1	1	NPD
Content of PCP	ppm	EN 13986-5.18	NPD	<5	<5	<5	<5	NPD

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Informative Characteristic	Unit	Reference	Thickness range (mm)					
			6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Formaldehyde class	Class	ASTM E1333	CARB NAF < 0.04 ppm [6 -> 30mm]					
Moisture resistance class	Class	ANSI A208.2-2016	Class 135 [6 -> 30mm]					
Reaction to fire	Class	ASTM E84	Class 1/A [6 -> 30mm]					

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Lode De Boe,
President UNILIN bvba, division panels

