

DECLARATION OF PERFORMANCE	
Reference :	DOPUnilinEvola(Basic)FibraluxMRFNAFv1
Commercial name :	Unilin Evola (Basic) - Fibralux MR FR NAF
Product type :	Melamine Faced 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-1391 (12mm ≤ d ≤ 25mm)
Produced at:	Breestraat 4,B-8710 Wielsbeke
	Ingelmunstersteenweg 299,B-8780 Oostrozebeke
	Ambachtenstraat 68, B-8870 Izegem

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	NPD	27	26	24	22	NPD
Modulus of elasticity in bending	N/mm ²	EN 622-5	NPD	2700	2500	2400	2300	NPD
Internal bond	N/mm ²	EN 622-5	NPD	0.80	0.80	0.75	0.75	NPD
Swelling in thickness, 24h	%	EN 622-5	NPD	12	10	8	7	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm ²	EN 622-5	NPD	0.25	0.2	0.15	0.1	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5	NPD	16	15	15	15	NPD
Surface Soundness	N/mm ²	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986-table B1	NPD	E1	E1	E1	E1	NPD
Reaction to fire	Class	EN 13501-1	NPD	E	D-s2d0	B-s1d0	B-s1d0(*)	NPD
Water vapour permeability μ	wet	EN 13986 - table 9	NPD	NPD	NPD	NPD	NPD	NPD
	dry		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	NPD	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	NPD	NPD	NPD	NPD	NPD	NPD
Strength - tension ft	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	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 δ _{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

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]					

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