

DECLARATION OF PERFORMANCE	
Reference :	DOPUnilinEvolaFibraluxFRv1
Commercial name :	Unilin Evola - Fibralux FR
Product type :	MDF Fibreboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.9
CE Class :	MDF.LA FR
Field of application :	Internal use as structural component in dry 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 <sup>2</sup>	EN 622-5	NPD	29	27	25	23	NPD
Modulus of elasticity in bending	N/mm <sup>2</sup>	EN 622-5	NPD	3000	2800	2500	2300	NPD
Internal bond	N/mm <sup>2</sup>	EN 622-5	NPD	0,70	0,65	0,60	0,60	NPD
Swelling in thickness, 24h	%	EN 622-5	NPD	17	15	12	10	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm <sup>2</sup>	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Surface Soundness	N/mm <sup>2</sup>	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	0,1	0,1	0,1	0,1	NPD
Strength - tension ft	N/mm <sup>2</sup>	EN 12369-1	NPD	13	13	12,5	12	NPD
Strength - compression fc	N/mm <sup>2</sup>	EN 12369-1	NPD	13	13	12,5	12	NPD
Strength - bending f <sub>m</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	21	21	21	21	NPD
Strength - panel shear f <sub>v</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	6,5	6,5	6,5	6,5	NPD
Strength - planar shear f <sub>r</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - tension E <sub>t</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	2900	2900	2700	2000	NPD
Stiffness - compression E <sub>c</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	2900	2900	2700	2000	NPD
Stiffness - bending E <sub>m</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	3700	3700	3000	2900	NPD
Stiffness - panel shear G <sub>v</sub>	N/mm <sup>2</sup>	EN 12369-1	NPD	800	800	800	800	NPD
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength R <sub>mean</sub>	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F <sub>ser,k</sub>	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F <sub>max,k</sub>	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion δ <sub>30,85</sub>	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 content	mg/100g	EN 120	< 8 mg/100g DS					

Version date :  
6/05/2019

Lode De Boe,  
President UNILIN bvba, division panels

