



DECLARATION OF PERFORMANCE

Reference :	DOPUE(Basic)FibromaxCompactMRBlackLF+v2
Commercial name :	Unilin Evola (Basic) - Fibromax Compact MR Black LF+
Product type :	Melamine faced MDF Fibreboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4
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:	Breestraat 4,B-8710 Wielsbeke Ingelmunstersteenweg 299,B-8780 Oostrozebeke Ambachtenstraat 68, B-8870 Izezem

Essential Characteristic	Unit	Standard	Test Method	Thickness range (mm)					
				6	>6 - 9	>9 - 12	>=12 - 19	>19 - 30	>30 - 45
Bending strength	N/mm ²	EN 622-5 - T4	EN 310	58	58	58	56	NPD	NPD
Modulus of elasticity in bending	N/mm ²	EN 622-5 - T4	EN 310	6000	6000	6000	5500	NPD	NPD
Internal bond	N/mm ²	EN 622-5 - T4	EN 319	1,80	1,90	1,90	1,90	NPD	NPD
Swelling in thickness, 24h	%	EN 622-5 - T4	EN 317	1	1	1	1	NPD	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm ²	EN 622-5 - T4	EN 321	0,8	0,8	0,8	0,8	NPD	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5 - T4	EN 321	2	2	2	2	NPD	NPD
Surface Soundness	N/mm ²	EN 622-5 - T4	EN 312	NPD	NPD	NPD	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986 Annex B	EN 717-1	E1	E1	E1	E1	NPD	NPD
Reaction to fire	Class	EN 13986 - 5.8	EN 13501-1	E	D-s2d0 ^(*)	D-s2d0	D-s2d0	NPD	NPD
Water vapour permeability μ	wet dry	EN 13986 - T9	EN 12524	NPD	NPD	NPD	NPD	NPD	NPD
Airborne sound insulation	dB	EN 13986 - 5.10	EN ISO 140-3	NPD	NPD	NPD	NPD	NPD	NPD
Sound absorption α		EN 13986 - T10	EN ISO 354	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 - T11	EN 12664	0,14	0,14	0,13	0,13	NPD	NPD
Strength - tension ft	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending fm	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear fy	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear fi	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - tension Et	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - compression Ec	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - bending Em	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - panel shear Gy	N/mm ²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Impact resistance	Class	EN 13986 - 5.14	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD
Punching shear strength Rmean	N/mm ²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punching shear strength Fperk	N/mm ²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punching shear strength Fmaxk	N/mm ²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion δ1,25	mm/m	EN 13986 - 5.15	EN 318	NPD	NPD	NPD	NPD	NPD	NPD
Mechanical durability (kmod; kdef)		EN 13986 - 5.16	Shall be taken from :	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1	NPD	NPD
Biological durability	Service Class	EN 13986 - 5.17	EN 335	1 & 2	1 & 2	1 & 2	1 & 2	NPD	NPD
Content of PCP	ppm	EN 13986 - 5.18	EN 71-11	<5	<5	<5	<5	NPD	NPD

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

Informative Characteristic	Unit	Standard	Test Method	Thickness range (mm)					
				6	>6 - 9	>9 - 12	>=12 - 19	>19 - 30	>30 - 45
Formaldehyde Class	Class	CARB 2	ASTM E1333	CARB 2 < 0,09 ppm [5,5 -> 19mm]					
Formaldehyde Class	Class	TSCA Title VI	ASTM E1333	TSCA Title VI (EPA) < 0,09 ppm [5,5 -> 19mm]					
Formaldehyde Emission	ppm	ChemVerbotsV	ISO 16516/EN 717-1	<= 0,1 ppm [ISO 16516 LF1.8/EN 717-1*2]					
Formaldehyde Emission	mg/m ³	REACH	EN 717-1	<= 0,062					
VOC Classification FR	Class	D n° 2011-321	ISO 16000-9	Class A+					
VOC Classification DE	-	AgBB	ISO 16516	v					
VOC Classification BE	-	D 15.12.2024	ISO 16516	v					
VOC Classification IT	-	CAM	ISO 16516	v					
Density	kg/m ³	-	EN 323	1050	1050	1050	1050	NPD	NPD
Thickness variation	mm	EN 14322 - T1	EN 14323 - 5.1	+/- 0,3					
Length and width variation	mm	EN 14322 - T1	EN 14323 - 5.1	- 0 /+ 10					
Flatness	mm/lm	EN 14322 - T1	EN 14323 - 5.1	< 60					
Damage : sides	mm	EN 14322 - T1	EN 14323 - 5.3	< 10					
Surface Defects (points)	mm / m ²	EN 14322 - T1	EN 14323 - 5.4	≤ 1					
Surface Defects (lines)	mm / m ²	EN 14322 - T1	EN 14323 - 5.4	≤ 10					
Resistance to scratching	N	EN 438-3 - T5 - HGS	EN 438-2 - 25	Flat : ≥ 2; Other : ≥ 3					
Resistance to staining	Rating	EN 438-3 - T5 - HGS	EN 438-2 - 26	Group 1,2 : 5 ; Group 3 : ≥ 4					
Light fastness (xenon arc)	Rating	EN 438-3 - T5 - HGS	EN 438-2 - 27	4 - 5					
Resistance to water vapour	Rating	EN 438-3 - T5 - HGS	EN 438-2 - 14	Gloss : ≥ 3 ; Other : ≥ 4					
Resistance to cigarette burns	Rating	EN 438-3 - T5 - HGS	EN 438-2 - 30	≥ 3					
Impact resistance (small)	N	EN 438-3 - T5 - HGS	EN 438-2-20	> 20					
Resistance to surface wear	Revolutions	EN 438-3 - T5 - HGS	EN 438-2-10	IP > 150					
Antibacterial activity	Reduction %	ISO 20743	ISO 22196	> 99,9					
Food safety	-	(EU) No 10/2011	EN 13130-1/ EN 1186	v					

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