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DECLARATION OF PERFORMANCE	
Reference :	DOPUE(Basic)FibromaxCompactMRBlackv1
Commercial name :	Unilin Evola (Basic) - 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	Reference	Thickness range (mm)					
				6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Bending strength	N/mm²	EN 622-5 - table 4	EN 310	58	58	58	56	NPD	NPD
Modulus of elasticity in bending	N/mm²	EN 622-5 - table 4	EN 310	6000	6000	6000	5500	NPD	NPD
Internal bond	N/mm²	EN 622-5 - table 4	EN 319	1.70	1.90	1.90	1.90	NPD	NPD
Swelling in thickness, 24h	%	EN 622-5 - table 4	EN 317	6	5.5	5	4	NPD	NPD
Moisture resistance OPTION 1 : Internal bond	N/mm²	EN 622-5 - table 4	EN 321	0.4	0.4	0.4	0.4	NPD	NPD
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5 - table 4	EN 321	12	12	12	12	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	EN 13986 - table 9	EN 12524	NPD	NPD	NPD	NPD	NPD	NPD
	dry			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 - table 10	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 - table 11	EN 12664	0.14	0.14	0.13	0.13	NPD	NPD
Strength - tension ft	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending f_m	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear f_v	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear f_r	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - tension E_t	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - compression E_c	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - bending E_m	N/mm²	EN 13986 - 5.13	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - panel shear G_v	N/mm²	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
Punshing shear strength R_{mean}	N/mm²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm²	EN 13986 - 5.15	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta l_{30,85}$	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 :	NPD	NPD	NPD	NPD	NPD	NPD
Biological durability	Service Class	EN 13986 - 5.17	EN 335	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	NPD
Content of PCP	ppm	EN 13986 - 5.18	EN 13986-5.18	<5	<5	<5	<5	<5	NPD

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

Informative Characteristic	Unit	Reference	Reference	Thickness range (mm)					
				6	>6 - 9	> 9 - 12	>12-19	>19-30	>30-45
Formaldehyde content	mg/100g	EN 13986 Annex B	EN 120	< 8 mg/100g DS					
Emission classification France	Class	Decree of 19.04.2011	ISO 16000-9	A+					
Formaldehyde emission regulation	ppm	ChemVerbotV 2020	EN 16516 / EN 717-1	≤ 0.1 (ISO 16516) / ≤ 0.5 (EN 717-1)					
Density	kg/m³	-	EN 323	1050	1050	1050	1050	NPD	NPD
Thickness variation relative to nominal	mm	EN 14322 - T1	EN 14323 - 5.1	± 0,3					
Thickness variation within the board	mm	EN 14322 - T1	EN 14323 - 5.1	t_{max}-t_{min} ≤ 0,6					
Length variation	mm	EN 14322 - T1	EN 14323 - 5.1	- 0 / +10					
Width variation	mm	EN 14322 - T1	EN 14323 - 5.1	- 0 / +10					
Flatness	mm/Lm	EN 14322 - T1	EN 14323 - 5.2	≤ 60					
Edge Damage : 4 Sides	mm	EN 14322 - T1	EN 14323 - 5.3	< 20					
Surface Defects (points)	mm² / m²	EN 14322 - T1	EN 14323 - 5.4	- 0 / +10					
Surface Defects (lines)	mm / m²	EN 14322 - T1	EN 14323 - 5.4	≤ 10					
Resistance to surface wear	Revolution	EN 438-3 - T5 - HGS	EN 438-2 - 10	IP ≥ 150					
Resistance to impact by small diameter	N	EN 438-3 - T5 - HGS	EN 438-2 - 20	≥ 20					
Resistance to scratching	Rating	EN 438-3 - T5 - HGS	EN 438-2 - 25	- 0 / +10					
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	- 0 / +10					
Formaldehyde content	mg/100g	EN 13986 Annex B	EN 120	< 8 mg/100g DS					
Emission classification France	Class	Decree of 19.04.2011	ISO 16000-9	A+					
Formaldehyde emission regulation	ppm	ChemVerbotV 2020	EN 16516 / EN 717-1	≤ 0.1 (ISO 16516) / ≤ 0.5 (EN 717-1)					
Food safety	-	(EU) No 10/2011	EN 13130-1/ EN 1186	Conform					
Antibacterial activity	Reduction	ISO 20743	ISO 22196	> 99.9%					

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Veronique Hoflack
President UNILIN bv, division panels