

DECLARATION OF PERFORMANCE	
Reference :	DOPHydroLisLF+v1
Commercial name :	HydroLis LF+
Product type :	Particleboard
Reference standard :	Wood Based Panel - EN 13986+A1:2015 Annex A Table A.4
CE Class :	P3
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

Essential Characteristic	Unit	Reference	Thickness range (mm)					
			>6-13	>13-20	>20-25	>25-32	>32-40	>40
Bending strength	N/mm <sup>2</sup>	EN 622-5	15	14	12	11	9	7.5
Modulus of elasticity in bending	N/mm <sup>2</sup>	EN 622-5	2050	1950	1850	1700	1550	1350
Internal bond	N/mm <sup>2</sup>	EN 622-5	0.45	0.45	0.40	0.35	0.30	0.25
Swelling in thickness, 24h	%	EN 622-5	17	14	13	13	12	12
Moisture resistance OPTION 1 : Internal bond	N/mm <sup>2</sup>	EN 622-5	0.15	0.13	0.12	0.1	0.09	0.08
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 622-5	14	13	12	12	11	11
Surface Soundness	N/mm <sup>2</sup>	EN 622-5	NPD	NPD	NPD	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1	E1	E1	E1
Reaction to fire	Class	EN 13986-5.8	E	D-s2d0(*)	D-s2d0	D-s2d0	D-s2d0	D-s2d0
Water vapour permeability $\mu$	wet dry	EN 13986 - table 9	16 50	16 50	15 50	15 50	15 50	15 50
Airborne sound insulation	dB	EN 13986-5.10	NPD	NPD	NPD	NPD	NPD	NPD
Sound absorption $\alpha$		EN 13986 - table 10	0,10/0,25	0,10/0,25	0,10/0,25	0,10/0,25	0,10/0,25	0,10/0,25
Thermal conductivity $\lambda$	W/m.K	EN 13986 - table 11	0.14	0.14	0.14	0.13	0.13	0.13
Strength - tension $f_t$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression $f_c$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending $f_m$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear $f_v$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear $f_r$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - tension $E_t$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - compression $E_c$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - bending $E_m$	N/mm <sup>2</sup>	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - panel shear $G_v$	N/mm <sup>2</sup>	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 <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength $F_{ser,k}$	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength $F_{max,k}$	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta_{30,85}$	mm/m	EN 318	< 3	< 3	< 3	< 3	< 3	< 3
Mechanical durability (kmod; kdef)		Shall be taken from :	NPD	NPD	NPD	NPD	NPD	NPD
Biological durability	Service Class	EN 335	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5	<5	<5	<5

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

Informative Characteristic	Unit	Reference	Thickness range (mm)					
			>6-13	>13-20	>20-25	>25-32	>32-40	>40
Formaldehyde emission	ppm	ChemVerbots	<= 0.1 ppm [ISO 16516 LF1.8/EN 717-1*2]					

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Lode De Boe,  
President UNILIN bvba, division panels

