

DECLARATION OF PERFORMANCE	
Reference :	DOPSystemfloorPlusLF+v2
Commercial name :	Systemfloor Plus LF +
Product type :	Particleboard
Reference standard :	Wood Based Panel - EN 13986+A1:2015 Annex A Table A.4
CE Class :	P6
Field of application :	Internal use as a structural component in dry conditions
AVCP Class :	2+
Certification number:	1161-CPR-1326
Produced at:	Breestraat 4,B-8710 Wielsbeke Ingelmunstersteenweg 299,B-8780 Oostrozebeke

Essential Characteristic	Unit	Reference	Thickness range (mm)				
			>13-20	>20-24	>=25-32	>32-40	>40
Bending strength	N/mm <sup>2</sup>	EN 622-5	18	16	16	15	14
Modulus of elasticity in bending	N/mm <sup>2</sup>	EN 622-5	3000	2700	2700	2600	2400
Internal bond	N/mm <sup>2</sup>	EN 622-5	0.50	0.45	0.40	0.35	0.30
Swelling in thickness, 24h	%	EN 622-5	15	15	15	14	14
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1	E1	E1
Reaction to fire	Class	EN 13501-1	Ds2-d0	Ds2-d0	Ds2-d0	Ds2-d0	Ds2-d0
Reaction to fire (Flooring)	Class	EN 13501-1	Dfl-s1	Dfl-s1	Cfl-s1	Cfl-s1	Cfl-s1
Water vapour permeability $\mu$	wet dry	EN 13986 - table 9	16 50	16 50	15 50	15 50	15 50
Airborne sound insulation	dB	EN 13986-5.10	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
Thermal conductivity $\lambda$	W/m.K	EN 13986 - table 11	0.14	0.14	0.13	0.13	0.12
Strength - tension $f_t$	N/mm <sup>2</sup>	EN 12369-1	9.5	8.5	8.3	7.8	7.5
Strength - compression $f_c$	N/mm <sup>2</sup>	EN 12369-1	13.3	12.8	12.2	11.9	10.4
Strength - bending $f_m$	N/mm <sup>2</sup>	EN 12369-1	15	13.3	12.5	11.7	10
Strength - panel shear $f_v$	N/mm <sup>2</sup>	EN 12369-1	7.3	6.8	6.5	6	5.5
Strength - planar shear $f_r$	N/mm <sup>2</sup>	EN 12369-1	1.7	1.7	1.7	1.7	1.7
Stiffness - tension $E_t$	N/mm <sup>2</sup>	EN 12369-1	2400	2100	1900	1800	1700
Stiffness - compression $E_c$	N/mm <sup>2</sup>	EN 12369-1	2400	2100	1900	1800	1700
Stiffness - bending $E_m$	N/mm <sup>2</sup>	EN 12369-1	4100	3500	3300	3100	2800
Stiffness - panel shear $G_v$	N/mm <sup>2</sup>	EN 12369-1	1150	1050	950	900	880
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $R_{mean}$	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm <sup>2</sup>	EN 1195	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta_{l_{30,AS}}$	mm/m	EN 318	< 4	< 4	< 4	< 4	< 4
Mechanical durability (kmod; kdef)		Shall be taken from :	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1
Biological durability	Service Class	EN 335	1	1	1	1	1
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5	<5	<5

Informative Characteristic	Unit	Reference	Thickness range (mm)				
			>13-20	>20-24	>=25-32	>32-40	>40
Formaldehyde class	Class	ASTM E1333	CARB 2 < 0.09 ppm [8 -> 60mm]				
Formaldehyde class	Class	ASTM E1333	TSCA Title VI (EPA) < 0.09 ppm [8 -> 60mm]				
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