

DECLARATION OF PERFORMANCE	
Reference :	DOPSystemfloorHDv1
Commercial name :	Systemfloor HD
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 ²	EN 622-5	18	17	17	16	15
Modulus of elasticity in bending	N/mm ²	EN 622-5	3000	2900	2900	2800	2600
Internal bond	N/mm ²	EN 622-5	0,50	0,50	0,45	0,40	0,35
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 (Floors)	Class	EN 13501-1	Dfl-s1	Dfl-s1	Cfl-s1	Cfl-s1	Cfl-s1
Water vapour permeability μ	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 α		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 λ	W/m.K	EN 13986 - table 11	0,14	0,14	0,13	0,13	0,12
Strength - tension f_t	N/mm ²	EN 12369-1	9,5	8,5	8,3	7,8	7,5
Strength - compression f_c	N/mm ²	EN 12369-1	13,3	12,8	12,2	11,9	10,4
Strength - bending f_m	N/mm ²	EN 12369-1	15	13,3	12,5	11,7	10
Strength - panel shear f_v	N/mm ²	EN 12369-1	7,3	6,8	6,5	6	5,5
Strength - planar shear f_r	N/mm ²	EN 12369-1	1,7	1,7	1,7	1,7	1,7
Stiffness - tension E_t	N/mm ²	EN 12369-1	2400	2100	1900	1800	1700
Stiffness - compression E_c	N/mm ²	EN 12369-1	2400	2100	1900	1800	1700
Stiffness - bending E_m	N/mm ²	EN 12369-1	4100	3500	3300	3100	2800
Stiffness - panel shear G_v	N/mm ²	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 ²	EN 1195	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm ²	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 content	mg/100g	EN 120	< 8 mg/100g DS				

Version date :
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Lode De Boe,
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