

DECLARATION OF PERFORMANCE	
Reference :	DOPAirLightv1
Commercial name :	Air Light
Product type :	Light Particleboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4
CE Class :	LP 2
Field of application :	General purpose in dry 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)		
			>25-32	>32-40	>40
Bending strength	N/mm ²	EN 622-5	5	4,5	4
Modulus of elasticity in bending	N/mm ²	EN 622-5	850	750	650
Internal bond	N/mm ²	EN 622-5	0,20	0,17	0,17
Surface Soundness	N/mm ²	EN 622-5	NPD	NPD	NPD
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1
Reaction to fire	Class	EN 13501-1	E	E	E
Water vapour permeability μ	wet	EN 13986 - table 9	12	12	12
	dry		50	50	50
Airborne sound insulation	dB	EN 13986-5.10	NPD	NPD	NPD
Sound absorption α		EN 13986 - table 10	0,10/0,25	0,10/0,25	0,10/0,25
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0,09	0,09	0,09
Strength - tension f_t	N/mm ²	EN 12369-1	NPD	NPD	NPD
Strength - compression f_c	N/mm ²	EN 12369-1	NPD	NPD	NPD
Strength - bending f_m	N/mm ²	EN 12369-1	NPD	NPD	NPD
Strength - panel shear f_y	N/mm ²	EN 12369-1	NPD	NPD	NPD
Strength - planar shear f_p	N/mm ²	EN 12369-1	NPD	NPD	NPD
Stiffness - tension E_t	N/mm ²	EN 12369-1	NPD	NPD	NPD
Stiffness - compression E_c	N/mm ²	EN 12369-1	NPD	NPD	NPD
Stiffness - bending E_m	N/mm ²	EN 12369-1	NPD	NPD	NPD
Stiffness - panel shear G_v	N/mm ²	EN 12369-1	NPD	NPD	NPD
Impact resistance	Class	EN 12871	NPD	NPD	NPD
Punshing shear strength R_{mean}	N/mm ²	EN 1195	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm ²	EN 1195	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm ²	EN 1195	NPD	NPD	NPD
Linear expansion $\delta_{30,85}$	mm/m	EN 318	NPD	NPD	NPD
Mechanical durability (kmod; kdef)		Shall be taken from :	EN 1995-1-1	EN 1995-1-1	EN 1995-1-1
Biological durability	Service Class	EN 335	1	1	1
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5

Informative Characteristic	Unit	Reference	Thickness range (mm)		
			>25-32	>32-40	>40
Formaldehyde content	mg/100g	EN 120		< 8 mg/100g DS	
Density (Target value)	kg/m ³	-	530	530	530

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Lode De Boe,
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