

DECLARATION OF PERFORMANCE	
Reference :	DOPAntivlamLF+v2
Commercial name :	Antivlam LF+
Product type :	Fire retardant Particleboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4
CE Class :	P2
Field of application :	Internal use as non-structural component in dry conditions
AVCP Class :	1
Certification number:	1161-CPR-1321 [10 mm ≤ d ≤ 25mm]
Produced at:	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 ²	EN 312	11	11	10.5	9.5	8.5	7
Modulus of elasticity in bending	N/mm ²	EN 312	1800	1600	1500	1350	1200	1050
Internal bond	N/mm ²	EN 312	0.4	0.35	0.30	0.25	20.00	0.20
Surface Soundness	N/mm ²	EN 312	0.8	0.8	0.8	0.8	0.8	0.8
Formaldehyde class	Class	EN 13986-table B1	E1	E1	E1	E1	E1	E1
Reaction to fire	Class	EN 13501-1	B-s1,d0 (*)	B-s1,d0	B-s1,d0	D-s2,d0	D-s2,d0	D-s2,d0
Water vapour permeability μ	wet	EN 13986 - table 9	16	15	15	15	15	15
	dry		50	50	50	50	50	50
Airborne sound insulation	dB	EN 13986-5.10	NPD	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	0,10/0,25
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0.15	0.14	0.13	0.09	0.09	0.09
Strength - tension ft	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending fm	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear fv	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear fs	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - tension Et	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - compression Ec	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - bending Em	N/mm ²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stiffness - panel shear Gv	N/mm ²	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 ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F _{ser,k}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F _{max,k}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion δ _{10,85}	mm/m	EN 318	NPD	NPD	NPD	NPD	NPD	NPD
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	EN 1995-1-1
Biological durability	Service Class	EN 335	1	1	1	1	1	1
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5	<5	<5	<5

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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