Unilin bvba, division panels
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DECLARATION OF PERFORMANCE	
Reference :	DOPBelspanLF+v2
Commercial name :	Belspan LF +
Product type :	Particleboard
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4
CE Class :	P2
Field of application :	Internal use as a non-structural component 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)					
			>6-13	>13-20	>20-25	>25-32	>32-40	>40
Bending strength	N/mm²	EN 622-5	11	11	10.5	9.5	8.5	7
Modulus of elasticity in bending	N/mm²	EN 622-5	1600	1600	1500	1350	1200	1050
Internal bond	N/mm²	EN 622-5	0.35	0.35	0.30	0.25	0.20	0.20
Surface Soundness	N/mm²	EN 622-5	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	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0
Water vapour permeability μ	wet	EN 13986 - table 9	16	16	16	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	0.12	0.12	0.12	0.12	0.12	0.12
Strength - tension ft	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - compression fc	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - bending f_m	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - panel shear f_v	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Strength - planar shear f_r	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - tension E_t	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - compression E_c	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - bending E_m	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Stifness - panel shear G_v	N/mm²	EN 12369-1	NPD	NPD	NPD	NPD	NPD	NPD
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength R_{mean}	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{ser,k}$	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Punshing shear strength $F_{max,k}$	N/mm²	EN 1195	NPD	NPD	NPD	NPD	NPD	NPD
Linear expansion $\delta l_{30,85}$	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

(*) <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 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

