

DECLARATION OF PERFORMANCE	
Reference :	DOPDurelisVapourBlockv5
Commercial name :	Durelis VapourBlock
Product type :	Lacquered Particleboard
Reference standard :	Wood Based Panel - EN 13986 Annex A Table A.4
CE Class :	P5
Field of application :	Internal use as a structural component in humid conditions
AVCP Class :	2+
Certification number:	1161-CPR-0146
Produced at:	Breestraat 4,B-8710 Wielsbeke
	Ingelmunstersteenweg 299,B-8780 Oostrozebeke
	Rue de la Forêt 2, B-6690 Vielsalm

Essential Characteristic	Unit	Reference	Thickness range (mm)						
			>6-10	>10-13	>13-20	>20-25	>25-32	>32-40	>40
Bending strength	N/mm ²	EN 312-table 7	18	18	16	14	12	10	9
Modulus of elasticity in bending	N/mm ²	EN 312-table 7	2550	2550	2400	2150	1900	1700	1550
Internal bond	N/mm ²	EN 312-table 7	0.45	0.45	0.45	0.40	0.35	0.30	0.25
Swelling in thickness, 24h	%	EN 312-table 7	13	11	10	10	10	9	9
Moisture resistance OPTION 1 : Internal bond	N/mm ²	EN 312-table 8	0.25	0.25	0.22	0.20	0.17	0.15	0.12
Moisture resistance OPTION 1 : Swelling in thickness	%	EN 312-table 8	12	12	12	11	10	9	9
Formaldehyde emission class	Class	EN 13986-table B1	E1	E1	E1	E1	E1	E1	E1
Formaldehyde content	mg/100g	EN 13986-table B1	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Reaction to fire	Class	EN 13986-5.8	E	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	NPD	192	192	NPD	NPD	NPD	NPD
	dry		NPD	510	510	NPD	NPD	NPD	NPD
Airborne sound insulation	dB	EN 13986-5.10	NPD	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	0,10/0,25
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0.14	0.14	0.14	0.13	0.12	0.12	0.12
Strength - tension ft	N/mm ²	EN 12369-1	9.4	9.4	8.5	7.4	6.6	5.6	5.6
Strength - compression fc	N/mm ²	EN 12369-1	12.7	12.7	11.8	10.3	9.8	8.5	7.8
Strength - bending f _m	N/mm ²	EN 12369-1	15.0	15.0	13.3	11.7	10.0	8.3	7.5
Strength - panel shear f _y	N/mm ²	EN 12369-1	7.0	7.0	6.5	5.9	5.2	4.8	4.4
Strength - planar shear f _r	N/mm ²	EN 12369-1	1.9	1.9	1.7	1.5	1.3	1.2	1.0
Stiffness - tension E _t	N/mm ²	EN 12369-1	2000	2000	1900	1800	1500	1400	1300
Stiffness - compression E _c	N/mm ²	EN 12369-1	2000	2000	1900	1800	1500	1400	1300
Stiffness - bending E _m	N/mm ²	EN 12369-1	3500	3500	3300	3000	2600	2400	2100
Stiffness - panel shear G _v	N/mm ²	EN 12369-1	960	960	930	860	750	690	660
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Lineaire uitzetting δ _{l30,85}	mm/m	EN 318	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Mechanical durability (kmod; kdef)			EN 1995-1-1	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 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
Content of PCP	ppm	EN 13986-5.18	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Air permeability at 50 Pa	m ³ /m ² .h.Pa	EN 12114	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001

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