

DECLARATION OF PERFORMANCE	
Reference :	DOPFlameshieldP4SupremeDeluxeTgV1
Commercial name :	Flameshield P4 Supreme Deluxe TG
Product type :	Melamine faced tongue and groove panel
Reference standard :	Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4
CE Class :	P4
Field of application :	Internal use as a structural component in dry conditions
AVCP Class :	2+
Certification number:	1161-CPR-1532
Produced at:	Breestraat 4,B-8710 Wielsbeke Ingelmunstersteenweg 299,B-8780 Oostrozebeke

Essential Characteristic	Unit	Reference	Thickness range (mm)		
			25	>25-32	>32
Bending strength	N/mm ²	EN 312-table 9	13	11	9
Modulus of elasticity in bending	N/mm ²	EN 312-table 9	2050	1850	1500
Internal bond	N/mm ²	EN 312-table 9	0,30	0,25	0,20
Swelling in thickness, 24h	%	EN 312-table 9	15	15	14
Formaldehyde emission class	Class	EN 13986-table B1	E1	E1	E1
Formaldehyde content	mg/100g	EN 120	≤ 8	≤ 8	≤ 8
Reaction to fire	Class	EN 13501-1	B-s1,d0	B-s1,d0	B-s1,d0
Reaction to fire (Flooring)	Class	EN 13501-1	B _f -s1	B _f -s1	B _f -s1
Water vapour permeability μ	wet dry	EN 13986 - table 9	16 50	15 50	15 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	0,13	0,12	0,12
Strength - tension f _t	N/mm ²	EN 12369-1	6,9	6,1	5
Strength - compression f _c	N/mm ²	EN 12369-1	9,6	9	7,6
Strength - bending f _m	N/mm ²	EN 12369-1	10,8	9,2	7,5
Strength - panel shear f _v	N/mm ²	EN 12369-1	5,5	4,8	4,4
Strength - planar shear f _r	N/mm ²	EN 12369-1	1,4	1,2	1,1
Stiffness - tension E _t	N/mm ²	EN 12369-1	1600	1400	1200
Stiffness - compression E _c	N/mm ²	EN 12369-1	1600	1400	1200
Stiffness - bending E _m	N/mm ²	EN 12369-1	2700	2400	2100
Stiffness - panel shear G _v	N/mm ²	EN 12369-1	770	680	600
Impact resistance	Class	EN 12871	NPD	NPD	NPD
Punishing shear strength R _{mean}	N/mm ²	EN 1195	NPD	NPD	NPD
Punishing shear strength F _{ser,k}	N/mm ²	EN 1195	NPD	NPD	NPD
Punishing shear strength F _{max,k}	N/mm ²	EN 1195	NPD	NPD	NPD
Linear expansion δ _{30,85}	mm/m	EN 318	< 4	< 4	< 4
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	>25-32	>32
Formaldehyde content	mg/100g	EN 120	< 8 mg/100g DS		
Slip resistance class	Class	DIN 51130	R10	R10	R10
Abrasion resistance	Class	EN 13329 - table 2	AC 4	AC 4	AC 4
Impact resistance (small dia ball)	Class	EN 13329 - table E1	IC 1	IC 1	IC 1
Impact resistentie (large dia ball)	Class	EN 13329 - table E1	IC 1	IC 1	IC 1

Version date :
6/05/2019

Lode De Boe,
President UNILIN bvba, division panels

