

DECLARATION OF PERFORMANCE	
Reference :	DOPQualirackTGv1
Commercial name :	Qualirack 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-0145
Produced at:	Breestraat 4,B-8710 Wielsbeke Ingelmunstersteenweg 299,B-8780 Oostrozebeke

Essential Characteristic	Unit	Reference	Thickness range (mm)				
			>8-10	>10-13	>13-20	>20-25	25
Bending strength	N/mm ²	EN 312-table 9	16	15	15	13	11
Modulus of elasticity in bending	N/mm ²	EN 312-table 9	2300	2300	2300	2050	1850
Internal bond	N/mm ²	EN 312-table 9	0,40	0,35	0,35	0,30	0,25
Swelling in thickness, 24h	%	EN 312-table 9	19	15	15	15	15
Formaldehyde emission class	Class	EN 13986-table B1	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
Reaction to fire (Flooring)	Class	EN 13501-1	D _{fl} -s1	D _{fl} -s1	D _{fl} -s1	D _{fl} -s1	D _{fl} -s1
Water vapour permeability μ	wet	EN 13986 - table 9	17	16	16	16	15
	dry		50	50	50	50	50
Airborne sound insulation	dB	EN 13986-5.10	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
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0,14	0,14	0,14	0,13	0,12
Strength - tension f _t	N/mm ²	EN 12369-1	8,9	7,9	7,9	6,9	6,1
Strength - compression f _c	N/mm ²	EN 12369-1	12	11,1	11,1	9,6	9
Strength - bending f _m	N/mm ²	EN 12369-1	14,2	12,5	12,5	10,8	9,2
Strength - panel shear f _y	N/mm ²	EN 12369-1	6,6	6,1	6,1	5,5	4,8
Strength - planar shear f _x	N/mm ²	EN 12369-1	1,8	1,6	1,6	1,4	1,2
Stiffness - tension E _t	N/mm ²	EN 12369-1	1800	1700	1700	1600	1400
Stiffness - compression E _c	N/mm ²	EN 12369-1	1800	1700	1700	1600	1400
Stiffness - bending E _m	N/mm ²	EN 12369-1	3200	2900	2900	2700	2400
Stiffness - panel shear G _y	N/mm ²	EN 12369-1	860	830	830	770	680
Impact resistance	Class	EN 12871	NPD	NPD	NPD	NPD	NPD
Punishing shear strength R _{mean}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F _{ser,k}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD
Punishing shear strength F _{max,k}	N/mm ²	EN 1195	NPD	NPD	NPD	NPD	NPD
Linear expansion δ _{30,85}	mm/m	EN 318	< 4	< 4	< 4	< 4	< 4
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
Biological durability	Service Class	EN 335	1	1	1	1	1
Content of PCP	ppm	EN 13986-5.18	<5	<5	<5	<5	<5

(*) <9mm : E; 9mm : D-s2,d0

Informative Characteristic	Unit	Reference	Thickness range (mm)				
			>8-10	>10-13	>13-20	>20-25	25
Formaldehyde content	mg/100g	EN 120	< 8 mg/100g DS				

Version date :
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Lode De Boe,
President UNILIN bvba, division panels

