

DECLARATION OF PERFORMANCE	
Reference :	DOPQualirackSolidfixv1
Commercial name :	Qualirack Solidfix
Product type :	Grooved particleboard
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)
			18
Bending strength	N/mm ²	EN 312-table 9	15
Modulus of elasticity in bending	N/mm ²	EN 312-table 9	2300
Internal bond	N/mm ²	EN 312-table 9	0.35
Swelling in thickness, 24h	%	EN 312-table 9	15
Formaldehyde emission class	Class	EN 13986-table B1	E1
Reaction to fire	Class	EN 13501-1	D-s2,d0
Reaction to fire (Flooring)	Class	EN 13501-1	D _f -s1
Water vapour permeability μ	wet	EN 13986 - table 9	16
	dry		50
Airborne sound insulation	dB	EN 13986-5.10	NPD
Sound absorption α		EN 13986 - table 10	0,10/0,25
Thermal conductivity λ	W/m.K	EN 13986 - table 11	0.14
Strength - tension f_t	N/mm ²	EN 12369-1	709
Strength - compression f_c	N/mm ²	EN 12369-1	11.1
Strength - bending f_m	N/mm ²	EN 12369-1	12.5
Strength - panel shear f_v	N/mm ²	EN 12369-1	6.1
Strength - planar shear f_r	N/mm ²	EN 12369-1	1.6
Stiffness - tension E_t	N/mm ²	EN 12369-1	1700
Stiffness - compression E_c	N/mm ²	EN 12369-1	1700
Stiffness - bending E_m	N/mm ²	EN 12369-1	2900
Stiffness - panel shear G_v	N/mm ²	EN 12369-1	830
Impact resistance	Class	EN 12871	NPD
Punishing shear strength R_{mean}	N/mm ²	EN 1195	NPD
Punishing shear strength $F_{ser,k}$	N/mm ²	EN 1195	NPD
Punishing shear strength $F_{max,k}$	N/mm ²	EN 1195	NPD
Linear expansion $\delta_{l_{30,85}}$	mm/m	EN 318	< 4
Mechanical durability (kmod; kdef)		Shall be taken from :	EN 1995-1-1
Biological durability	Service Class	EN 335	1
Content of PCP	ppm	EN 13986-5.18	<5

Informative Characteristic	Unit	Reference	Thickness range (mm)
			18
Formaldehyde content	mg/100g	EN 120	< 8 mg/100g DS

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Lode De Boe,
 President UNILIN bvba, division panels

