

DECLARATION OF PERFORMANCE

Reference number DoP FIBRABEL® v.1.2

Product type	Intended use					AVCP
FIBRABEL® L-MDF EN 622-5	Internal use as structural components in dry conditions					4
Essential characteristics	Performance					Reference
	>8 to 9	>9 to 12	>12 to 19	>19 to 30	>30 to 40	
Internal bond (N/mm²)	0,45	0,45	0,45	0,45	0,45	EN 622-5: 2010
Swelling in thickness (%)	20	16	14	12	11	
Module of elasticity (N/mm²)	1.700	1.700	1.600	1.500	1.400	
Module of rupture (N/mm²)	20	20	18	15	14	
Reaction to fire	D-s2, d0*	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	CWFT Table 8 Density > 600 kg/m³ * for 8mm: test report 11200NB
Water vapour permeability μ	wet 12 dry 20	wet 12 dry 20	wet 12 dry 20	wet 12 dry 20	wet 12 dry 20	CWFT Table 9 Density > 600 kg/m³
Release of formaldehyde	E1	E1	E1	E1	E1	WKI-294-6/1994
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD	NPD	NPD	
Sound absorption Frequency range 250Hz to 500Hz (α)	0,1	0,1	0,1	0,1	0,1	CWFT Table 10 Density > 400 kg/m³
Sound absorption Frequency range 1.000Hz to 2.000Hz (α)	0,2	0,2	0,2	0,2	0,2	CWFT Table 10 Density > 400 kg/m³
Thermal conductivity λ W/(m,k)	0,1	0,1	0,1	0,1	0,1	CWFT Table 10 Density > 600, 800 < kg/m³
Characteristic Strength (Nmm²)						EN 12369-1: 2001
- Bending f_m	NPD					
- Compression f_c	NPD					
- Tension f_t	NPD					
- Panel Shear f_v	NPD					
- Planar shear f_r	NPD					
Characteristic Stiffness (MOE) (Nmm²)						
- Tension E_t	NPD					
- Compression E_c	NPD					
- Bending E_m	NPD					
- Panel Shear G_v	NPD					
Impact resistance	NPD					
Mechanical durability	NPD					
Biological durability	Class 1 according EN335					

EN 13986: 2004
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