

DECLARATION OF PERFORMANCE

Reference number DoP FIBRABEL® L v.1.4

Product type	Intended use				AVCP
FIBRABEL® L UL2-MDF EN 622-5	Internal use in dry conditions				4
Essential characteristics	Performance				Reference
	12	>12 to 19	>19 to 30	>30 to 40	
Internal bond (N/mm²)	0,35	0,35	0,35	0,3	EN 622-5: 2009
Swelling in thickness (%)	18	14	13	12	
Module of elasticity (N/mm²)	1400	1300	1200	1100	
Module of rupture (N/mm²)	18	16	14	12	
Reaction to fire	D-s2, d0*	D-s2, d0*	D-s2, d0*	D-s2, d0*	* test report 11198 NB 1173
Water vapour permeability μ	wet 5 dry 10	wet 5 dry 10	wet 5 dry 10	wet 5 dry 10	CWFT Table 9 Density > 400 kg/m³
Release of formaldehyde	E1	E1	E1	E1	
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm	≤5ppm	≤5ppm	
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD	NPD	
Sound absorption Frequency range 250Hz to 500Hz (α)	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	CWFT Table 10 Density > 400 kg/m³
Thermal conductivity λ W/(m,k)	0,07	0,07	0,07	0,07	CWFT Table 10 Density > 400, 600 < 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 + A1: 2015
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 Signed for and on behalf of the manufacturer by Jan GOEMINNE
 Operations Director

Vielsalm, 30.11.2016

