SPANOLUX
Wood Based Solutions

DECLARATION OF PERFORMANCE

Reference number DoP S-PRO v.1.2

Product type	Intended use	AVCP
S-PRO MDF EN 622-5	Internal use in dry conditions	4

Essential characteristics	Performance				Reference	
	>8 to 9	**>9 to 12**	**>12 to 19**	**>19 to 30**		
Internal bond (N/mm²)	0,65	0,6	0,55	0,55	**EN 622-5: 2009**	**EN 13986: 2004 + A1:2015**
Swelling in thickness (%)	17	15	12	10		
Module of elasticity (N/mm²)	2.700	2.500	2.200	2.100		
Module of rupture (N/mm²)	22	20	18	17		
Reaction to fire	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	**CWFT Table 9 Density > 600 kg/m³**	
Release of formaldehyde	E1	E1	E1	E1	**Table B.1**	
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)	0,1	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					

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Operations Director

Vielsalm, 30.11.2016