

DECLARATION OF PERFORMANCE

Reference number DoP FIRAX® NOIR v.2.0

Product type				AVCP	
FIRAX® NOIR MDF-LA FR EN 622-5		Internal use as structural components in dry conditions		1	
Essential characteristics				Reference	
	6 to <12	≥12 to 19	>19 to 30		
Characteristic Strength (Nmm²)				EN 12369-1: 2001	EN 13986: 2004 + A1: 2015
- Bending f_m	21	21	21		
- Compression f_c	13,0	12,5	12,0		
- Tension f_t	13,0	12,5	12,0		
- Panel Shear f_v	6,5	6,5	6,5		
- Planar shear f_r	NPD	NPD	NPD		
Characteristic Stiffness (MOE) (Nmm²)					
- Tension E_t	2.900	2.700	2.000		
- Compression E_c	2.900	2.700	2.000		
- Bending E_m	3.700	3.000	2.900		
- Panel Shear G_v	800	800	800		
Impact resistance	NPD	NPD	NPD		
Reaction to fire	B-s2, d0	B-s1, d0	B-s1, d0	1161-CPD-0190 & 1221	
Water vapour permeability μ	wet 20 dry 12	wet 20 dry 12	wet 20 dry 12	CWFT Table 9 Density > 600 kg/m³	
Release of formaldehyde	E1	E1	E1	1161-CPD-0190 & 1221	
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm	≤5ppm		
Airborne sound insulation (surface mass) (R)	NPD	NPD	NPD		
Sound absorption Frequency range 250Hz to 500Hz (α)	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	CWFT Table 10 Density > 400 kg/m³	
Thermal conductivity λ	0,1	0,1	0,1	CWFT Table 10 Density > 600, 800 < kg/m³	
Internal bond (N/mm²)		NPD		EN 622-5: 2009	
Swelling in thickness (%)		NPD			
Module of elasticity (N/mm²)		NPD			
Module of rupture (N/mm²)		NPD			
Mechanical durability		NPD			
Impact resistance		NPD			
Biological durability	Class 1 according EN335				
Reaction to fire	Class 1 / A according ASTM E84			EWCL5: ME 5077	
	DIN 4102-B1			abP Nr. P-BAY26-121321	

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Signed for and on behalf of the manufacturer by Jan GOEMINNE
 Operations Director

Vielsalm, 17.10.2017

