

7. Declared performance

Harmonised technical specification (BS) EN 13986:2004+A1:2015

Characteristic strength value (N/mm²), P6 class particle board according to (BS) EN 312

Thickness mm	> 6-10	> 10-13	> 13-20	> 20-25	>25-32	>32-40
Bending strength (N/mm ²)	20	20	18	16	15	14
Modulus of elasticity in bending (N/mm ²)	3150	3150	3000	2550	2400	2200
Internal bond (N/mm ²)	0,60	0,60	0,50	0,40	0,35	0,30
Swelling in thickness 24 h (%)	16	16	15	15	15	14
Strength and stiffness for structural use (KN/m ²)	Service class 1					1,5
Strength and stiffness under point load (KN)	Service class 1					1,4

Essential characteristics	Performance	Harmonised technical specification
Release of formaldehyde	E1	(BS) EN 13986
Reaction to fire	D-s2, d0	
Water vapour permeability	3...7x10 ⁻¹² kg/msPa	
Airborne sound insulation	NPD	
Sound absorption	NPD	
Thermal conductivity	0,13 W/(m k)	
Impact Resistance	NPD	
Mechanical Durability	Table 3.1	
detailed information can be found in Tables 3.1 & 3.2 of (BS) EN 1995-1-1	Table 3.2	
Biological durability ((BS) EN 335)	Class 1	
Content of pentachlorophenol (PCP)	≤ 5 ppm	

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by In Järvelä 01.08.2023



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