

Technical data.

exclusiv/compact/expona



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Properties	Value	Unit	Test specification
1. Density	700 – 800	kg/m ³	EN 323
2. Flexural strength	30 – 35	N/mm ²	EN 310 / EN 438
3. Elasticity modulus	4000 – 5000	N/mm ²	EN 310 / EN 438
4. Tensile strength, vertical to the surface	1.0 – 2.0	N/mm ²	EN ISO 527 / EN 438
5. Swelling after storage in water at 20 °C	after 2 h	0.3 – 0.6	DIN 317
	after 24 h	5.0 – 8.0	DIN 317
6. Moisture content	5 – 10	%	EN 322
7. Temperature resistance under permanent load under temporary load		-50 to +90	WERZALIT TEST STANDARD
		+180	
8. Fire behaviour material class B2 = normal flammability	B2		DIN 4102-1 resp. DIN EN 13501-1
9. Length change due to moisture/ heat exposure ²⁾	1 – 3	mm/m	WERZALIT TEST STANDARD
10. Thermal conductivity λ	0.18	W/m · K	DIN 52 612
11. Water vapour permeability	5 – 15	m	DIN 52 615
12. Cross-cut test ⁴⁾	Gt 0A – Gt 1A		EN ISO 2409
13. Scratch resistance	3 – 5.5	N	EN 438
14. Brinell hardness ³⁾	60 – 65	N/mm ²	WERZALIT TEST STANDARD
15. Abrasion behaviour	200 – 300	U	EN 438
16. Light fastness	Level 6 – 8		EN ISO 105-B02
17. Chemical resistance	good to very good		EN 438
18. Screw withdrawal strength ¹⁾	800 – 1300	N	WERZALIT TEST STANDARD

1) 4 mm particle board screw, using a hole of 3 mm diameter, 10 mm deep
2) Maximum expected length change under extreme climate fluctuations

3) 1000 N, 15 s application time, (force/area)
4) Gt 0A is the best, Gt 4A is the worst value

This technical data sheet can and should only be considered to provide non-binding advice.
We ask that all information concerning working with our products be adapted to the local conditions and the materials used.
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More information available at: www.werzalit.com

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