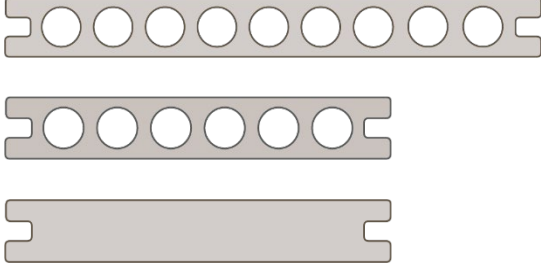








PuraShield™

Technical Sheet



Technical Sheet

Profiles	Colours		Sizes
	Cedar		22.5 x 210 x 3000 mm 22.5 x 210 x 4000 mm 22.5 x 210 x 5000 mm 22.5 x 138 x 3000 mm 22.5 x 138 x 4000 mm 22.5 x 138 x 5000 mm
	Teak		
	Ipe		
	Light Grey		
	Dark Grey		
	Ebony Black		

Test	Standard/Met hod	Value
Physical properties		
Moisture content	EN15534 EN322	0.69%
Electrostatic behaviour	EN1815	/
Formaldehyde content	EN717-1	Not detectable
Mechanical Proprieties		
Impact resistance per falling mass	EN15534	No cracking
Creep in bending	EN15534	Distance between two spans: 400 mm Exposure: 1000 N for 24h ΔS : difference between the deflection at the end of the test and the deflection after 1 min of application of the load ΔS_r : difference between the deflection 24 hours after the load has been removed and the deflection before the load is applied Values obtained: ΔS : 3.96mm ΔS_r : 2.68mm
Creep Recovery	ASTM D7032	Recovery after 24 hours: 82.4%
Tensile strength	EN319	/
Indentation resistance	EN15534	/

Slip resistance	DIN EN 16165:2023- 02 Annex B	Ramp test value: 17 ° slip resistance class: R10
Abrasion Resistance	ASTM D4060-10	35 mg (1000r)
Scratch resistance	ISO4586-2	CLASS 2
Brinell Hardness	EN15534	68.7 MPa
Thermal properties		
Boiling	EN15534	24h water absorption: 0.51% 72h water absorption: 1.67%
Thermal conductivity	CE EN14041(2004)	/
Linear coefficient of thermal expansion	ASTM D6341	3.78×10^{-5}
	EN 15534	4.01×10^{-5}
Durability		
Accelerated aging (UV)	ASTM G154	Exposure after 2000h AE*=1.67
Swelling and water absorption (24h immersion)	EN15534	Swelling: 0.15% in thickness, 0.02% in width, 0.02% in length. Water absorption: 0.11%
Swelling and water absorption (28-days immersion)	EN15534	Swelling: 1.26% in thickness, 0.35% in width, 0.23% in length Water absorption: 1.02%
Mold resistance under cyclic conditions	EN15534	Modulus of rupture before exposure: 26.68 MPa Modulus of rupture after exposure: 23.95 MPa
Salt spray resistance	EN15534 ISO9227	$\Delta E=1.21$