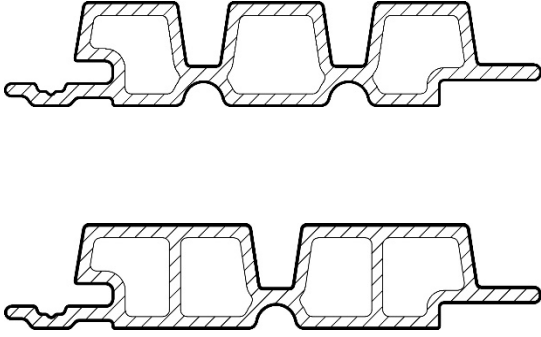

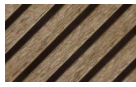
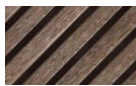
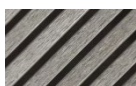

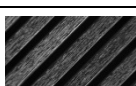


PuraTech™

Technical Sheet



Technical Sheet

Profiles	Colours		Sizes
	Cedar		33 x 170 x 2900 mm 33 x 170 x 3900 mm 33 x 170 x 2900 mm 33 x 170 x 3900 mm
	Teak		
	Ipe		
	Light Grey		
	Dark Grey		
	Ebony Black		

Test	Standard/Method	Value
Durability Properties		
Swelling and water absorption	EN 15534-5:2014 Section 4.5.4 EN 15534-1:2014 Section 8.3.1 EN 317:1993	Mean water absorption (28 days immersion): 3.58% Max water absorption (28 days immersion): 3.69%
Boiling water	EN 15534-5:2014 Section 4.5.4 EN 15534-1:2014 Section 8.3.3	Mean water absorption (weight): 2.33% Max. water absorption (weight): 2.56%
Mechanical Properties		
Bending strength	EN 15534-5:2014	31.0 MPa (span of 600 mm)
Modulus of elasticity	Section 4.5.2	4031 MPa (span of 600 mm)
Maximum load	EN 15534-1:2014	2647 N (span of 600 mm)
Deflection at 250 N	Annex A	1.86 mm (span of 600 mm)
Impact resistance	EN 15534-5:2014 EN 15534-1:2014	No cracking

Creep behaviour	EN 15534-1:2014 A1:2017 Section 7.4.1	Span: 600 mm; ΔS : 4.39 mm; Max. ΔS : 4.92 mm; Max. ΔS_r : 3.19 mm
Thermal Properties		
Linear thermal expansion coefficient	EN 15534-1:2014 Section 9.2 ISO 11359-2:2021	Temperature range: -20°C to 80°C $66.0 \times 10^{-6} \text{ K}^{-1}$
Heat reversion	EN 15534-5:2014 Section 4.5.6 EN 15534-1:2014 Section 9.3 EN 479:2018	Temperature: 100°C, 60min Mean: -0.35%
Fire rating	EN ISO 11925-2 EN 13501-1 + A1	Euroclass E (PuraTech™ 30) Euroclass D - s1, d0 (PuraTech™ 55)