



Soho Decking Technical Sheet

Model	Photo	Dimension
US166R		138×25 mm

NO.	Property	Test Method		
1	Abrasion resistance	ASTM D4060	28.4mg(1000cycles)	
2	Boiling test	EN15534	Water absorption in weight: 0.44%	
3	Degree of chalking	EN15534	Rating 0, no chalking	
4	Falling mass impact resistance	EN15534	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.14	
5	Fire Resistance	AS ISO9239.1	HF-30(Transverse): 7.9 kW/m ² HF-30(Longitudinal): 6.7 kW/m ² Smoke production: 123% minutes	
6	Heat reversion	EN15534 EN479	0.08% (Test temperature: 100°C)	
7	Moisture Content	EN15534 EN322	0.45%	
8	Neutral salt spray test	EN15534 ISO9227	ΔE*=0.36 , Grey Scale=4-5 (Exposure 96h)	

NO.	Property	Test Method		
9	Flexural properties	ASTM D6109	Bending Strength: 16.4Mpa, Modulus of elasticity: 3.52Gpa, Maximum load: 3327N	Span:450mm
10	Pb, Cd, Hg, Cr ⁶⁺	RoHS-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr ⁶⁺ : ND	
11	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.01$, Grey Scale=4	
12	Slip Resistance	AS/NZS 4586	Wet Pendulum Testing: Rating: P3	Pattern:H89
13	Swelling and water absorption (24hours immersion)	EN15534	1. Swelling: 0.28% in thickness, 0.01% in width, 0.01% in length. 2. Water absorption: 0.18%	
14	Swelling and water absorption (28days immersion)	EN15534	1. Swelling: 0.64% in thickness, 0.04% in width, 0.06% in length. 2. Water absorption: 0.82%	
15	SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	19	
16	UV Weathering test	ASTM G154	After 3000h test, Grey Scale=4-5, $\Delta E^*=1.42$,	