



REGREEN DECKING TECHNICAL SHEET

Property	Test Method	Test results	Remark
Abrasion resistance	ASTM D4060	28.4mg(1000cycles)	
Boiling test	EN15534-1	Water absorption in weight: 1.30%	
Coefficient Linear Thermal Expansion	EN15534-1	$38.0 \times 10^{-6} K^{-1}$	
Degree of chalking	EN15534-1	Rating 0, no chalking	
Falling mass impact resistance	EN15534-1	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.21	
Formaldehyde Content	EN717-1	Non Detected	
	ASTM D6007	Non Detected	
Flexural properties	EN15534-1	Bending Strength: 22.0 Mpa, Modulus of elasticity: 3.10 Gpa, Maximum load: 3590 N Deflection under a load of 500N: 0.73 mm	Span:350mm
Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND	
Heat reversion	EN15534-1 EN479	0.09% (Test temperature: 100°C)	
Lead Content Test	EUNo.628/2015	Non Detected	
Mould resistance	ASTM G21	Rating 0	
Moisture Content	EN15534-1 EN322	0.32%	

Neutral salt spray test	ASTM B117	After 200 hours tests, there was no visible change appeared on the surface: Front surface: $\Delta E^*=1.22$, Grey Scale: 4-5 Back surface: $\Delta E^*=1.06$, Grey Scale: 4-5	
	EN15534-1 ISO9227	$\Delta E^*=1.42$, Grey Scale=4 (Exposure 96h)	
Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr ⁶⁺ : ND	
Resistance to artificial weathering	EN15534-1 ISO4892-2	After 2000h exposure $\Delta E^*=1.45$, Grey Scale=4	
Resistance against discolouring micro-fungi	EN15534-1 ISO16869	The fungal growth rating: 0 (No growth)	
Slip Resistance	EN15534-1 CEN/TS 15676	Pendulum test: Length direction: 102 Width direction: 102	Pattern: H89
	EN15534-1 EN13451-1	Inclination plan test: Length direction: 25° , Class : C Width direction: 27° , Class : C	
Swelling and water absorption (24hours immersion)	EN15534-1	①Swelling: 0.26% in thickness, 0.03% in width, 0.05% in length. ②Water absorption: 0.37%	
Swelling and water absorption (28days immersion)	EN15534-1	①Swelling: 0.50% in thickness, 0.10% in width, 0.20% in length. ②Water absorption: 3.30%	
SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	19	
UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale 4-5, $\Delta E^*=1.42$	
VOC&TVOC	ASTM D5116-11	Non Detected	