



# Commercial Decking Technical Sheet

Model	Photo	Dimension
<b>US49H</b>		138×25 mm (5.4×1.0 in)
<b>US63H</b>		138×25 mm (5.4×1.0 in)

NO.	Property	Test Method	Test results	Remark
1	Abrasion resistance	ASTM D4060-10	28.4mg(1000cycles)	
2	Brinell hardness	EN15534	8.2N/mm <sup>2</sup>	
3	Boiling test	EN15534	Water absorption in weight: 0.46%	
4	Bond Strength	EN319	Average Bond Strength>2.3MPa No obvious abruption and damage after test	
5	Coefficient Linear Thermal Expansion	ASTM D696	35.6×10 <sup>-6</sup> mm/mm °C	
		EN15534	34.0×10 <sup>-6</sup> K <sup>-1</sup>	
6	Degree of chalking	EN15534	Rating 0, no chalking	
7	Electrostatic behaviour	EN1815	Body-Voltage: 1.1 kV This floor covering can be classified as antistatic	

NO.	Property	Test Method	Test results	Remark
8	Fire Resistance	BS476-7	Class 2	
		AS1530.8.1.2007	BAL29	
		EN13501-1 EN ISO9239-1	Reaction to fire classification: Bfl-s1	On request, talk to the manufacturer
		EN ISO9239-1 EN ISO11925-2	Classification: Bfl-s1	
		GB8624,GB11785, GB8626,GB20286	Reaction to fire classification: GB8624 B <sub>1</sub> (B-s1, t1)	
		ASTM E84	Flame Spread Index(FSI): 85 Smoke Developed Index(SDI): 300	
		AS/NZS 1530.3- 1999	Ignitability Index:13 Range 0-20 Spread of Flame Index: 6 Range 0-10 Heat Evolved Index:4 Range 0-10 Smoke Developed Index: 3 Range 0-10	
9	Falling mass impact resistance	EN15534	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.14	
10	Formaldehyde Content	EN717-1	Non Detected	
		ASTM D6007-14	Non Detected	
11	Point Load	EN15534	Maximum load: 4.5kN	Span: 300mm
		EN15534	Maximum load: 3.6kN	Span: 400mm
		EN15534	Maximum load: 3.3kN	Span: 450mm
12	Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND	
13	Heat reversion	EN15534 EN479	0.17% (Test temperature: 100°C)	
14	Lead Content Test	EUNo.628/2015	Non Detected	
15	Mould Resistance	ASTM G21	Rating 0	
16	Moisture Content	EN15534 EN322	0.50%	

NO.	Property	Test Method	Test results	Remark
17	Neutral salt spray test	ASTM B117-2011	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 ISO9227	$\Delta E^*=1.42$ , Grey Scale=4 (Exposure 96h)	
18	Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr <sup>6+</sup> : ND	
19	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.09$ , Grey Scale=4-5	
20	Rockwell Hardness	ASTM D785	78.7R	
21	Slip Resistance	AS4586:2013	P5	
		CENTS12633 (2014) CENTS16165 (2012)	Pendulum Testing: Dry condition: PTV46 Wet condition: PTV34	
		EN15534-1 EN15534-4	Pendulum test: Longitudinal: 44; Horizontal: 56 Inclination plan test: Angle: 25.0°, Rating: Class C	
		DIN51130	Oil-wet ramp test: Angle: 19.7° Rating: R11	
		DIN51097	Wet-load ramp test: Front View: Angle: 31.2° Rating: C Back View: Angle: 29.0° Rating: C	
		EN15534 CEN/TS15676	Pendulum test: Longitudinal: 59; Horizontal: 69 Inclination plan test: Angle: 38.2°, Rating: Class C	
22	Swelling and water absorption (24hours immersion)	EN15534	①Swelling: 0.05% in thickness, 0.01% in width, 0.01% in length. ②Water absorption: 0.22%	
23	Swelling and water absorption (28days immersion)	EN15534	①Swelling: 0.47% in thickness, 0.04% in width, 0.05% in length. ②Water absorption: 0.92%	
24	SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	19	
25	VOC&TVOC	ASTM D5116-11	Non Detected	