




# Screen and Partition Cladding Technical Sheet

Model	Photo	Dimension
UH17	 A dark brown, rectangular cladding profile with a wood-grain texture. It features a hollow cross-section with three vertical channels. The profile is shown at an angle, highlighting its depth and the texture.	60 x 42 mm (2.4 x 1.7 in)
UH25	 A medium brown, rectangular cladding profile with a wood-grain texture. It features a hollow cross-section with three vertical channels. The profile is shown at an angle, highlighting its depth and the texture.	100 x 52 mm (3.9 x 2.0 in)
UH26	 A dark brown, rectangular cladding profile with a wood-grain texture. It features a hollow cross-section with three vertical channels. The profile is shown at an angle, highlighting its depth and the texture.	120 x 62 mm (4.7 x 2.4 in)

NO.	Property	Test Method	Test results	Remark
1	Abrasion Resistance	ASTM D4060	33mg(1000cycles)	
2	Brinell hardness	EN15534	8.2N/mm <sup>2</sup>	
3	Boiling test	EN15534	Water absorption in weighth: 0.49%	
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	Content of pentachlorophenol	CE ( EN14041(2004) )	2.99ppm	
7	Degree of chalking	EN15534	Rating 0, no chalking.	
8	Formaldehyde Content	EN717-1	Non Dectectable	
		ASTM D6007-14	Non Dectectable	
9	Heavy Metal Content	EPA3051	Sb:ND, As:ND, Se:ND, Sn:ND	
10	Heat reversion	EN15534 EN479	Test temperature:100℃ :0.17%	
11	Heat build-up	EN15534	△ T=-2.7 C	
12	Lead Content Test	EUNo.628/2015	Non Dectectable	
13	Mould resistance	ASTM G21	Rating 0	
14	Moisture Content	EN15534 EN322	0.83%	
15	Neutral salt spray test	ASTM B117-2011	After 200 hours tests, there was no visible change appeared on the surface: Front surface: △ E*=1.22, Grey Scale: 4-5 Back surface: △ E*=1.06, Grey Scale: 4-5	
		EN15534 ISO9227	△ E*=1.42, Grey Sale=4 (Exposure 96h)	
16	Pb, Cd, Hg, Cr <sup>6+</sup>	RoHs-IEC62321	Pb:ND, Cd:ND, Hg:ND, Cr <sup>6+</sup> :ND	
17	Resistance to scratch test	ISO4586-2	Rate 2	

NO.	Property	Test Method	Test results	Remark
18	Resistance to indentation	EN15534	Apply 2000N load Brinell hardness: 60Mpa, Rate of elastic recovery: 64%	
19	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.09$ , Grey Sale=4-5	
20	Rockwell Hardness	ASTM D785	78.7R	
21	Swelling and water absorption (24hours immersion)	EN15534-1 EN15534-4	① Swelling: 0.43% in thickness, 0.02% in width, 0.03% in length. ② Water absorption: 0.11%	
22	Swelling and water absorption (28days immersion)	EN15534	① Swelling: 0.67% in thickness, 0.04% in width, 0.07% in length. ② Water absorption: 0.27%	
23	SRI Testing	ASTM C1549 ASTM C1371 ASTM E1980	19	
24	Surface Bond quality	EN319	>2.08MPa	
25	Thermal Resistance	ASTM C518-2010	Thermal conductivity: 0.1589W/(m·k) Thermal resistance: 0.0830(m <sup>2</sup> ·k)/W	
26	Thermal conductivity	CE ( EN14041(2004) )	0.19738W/m·K	
27	UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale3, $\Delta E^*=3.56$	
28	VOC&TVOC	ASTM D5116-11	Non Dectectable	
29	Water absorption	ASTM D1037	Water absorption(24h): 0.12%	