Test report overview

01 / Physical properties & restricted substances

Report	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
1	Physical properties (CN/EN)	National Building Materials Testing Center	Overall thickness	GB/T 11982.1-2015	Nominal value: +0.13 / -0.10; nominal thickness: 2.0 mm	-0.08
			Wear layer thickness	GB/T 11982.1-2015	Nominal value: +13 / -10; nominal thickness: 0.5 mm	-8
			Dimensional change after heating (%)	GB/T 11982.1-2015	Longitudinal: ≤ 0.40 Transverse: ≤ 0.40	Longitudinal: 0.08 Transverse: 0.05
			Castor chair test	GB/T 11982.1-2015	No damage	No damage
			Abrasion resistance (volume loss Fv), mm^3	GB/T 11982.1-2015	Group T: Fv ≤ 2.0	1.0; meets Group T
			Slip resistance	GB/T 11982.1-2015		Dry: 0.81 Wet: 0.65
2	Restricted substances (CN/EN)		Monomer content	GB 18586-2001	≤ 5 mg/kg	Not detected (< 0.5 mg/kg)
			Soluble heavy metals: lead (Pb)	GB 18586-2001	≤ 20 mg/m^2	Not detected (< 0.1 mg/m^2)
			Soluble heavy metals: cadmium (Cd)	GB 18586-2001	≤ 20 mg/m^2	Not detected (< 0.1 mg/m^2)

Test report overview

02 / Fire, formaldehyde, slip & chemical resistance

Report	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
3	Reaction to fire	National Building Materials Testing Center	Reaction to fire	GB 8624-2012		B1 (C-s1,t0)
			Critical radiant flux	GB 8624-2012	≥ 4.5 kW/m²	7.5
			Flame tip height within 20 s (Fs)	GB 8624-2012	≤ 150 mm (within 20 s)	Fs < 150 mm within 20 s
			Smoke production (s1)	GB 8624-2012	≤ 750	176 %·min
			Smoke toxicity	GB 8624-2012	Class ZA1	Class ZA1 achieved
4	Formaldehyde emission	EQO Testing and Certification Co., Ltd.	Formaldehyde emission	GB/T 17657-2013	Detection limit: 0.1 mg/L	Meets E0 class; not detected
5	Slip resistance	National Building Materials Testing Center	Slip resistance classification	DIN 51130-2014	R10: 10° to 19°	R10; 15.4°
6	Acid & alkali resistance (CN/EN)	SGS	Acid & alkali resistance	ISO 26987:2008	Sodium hydroxide solution (25%); hydrochloric acid solution (3%); no effect after 2 h exposure	Index 0: effect

Test report overview

03 / Slip, combustion, formaldehyde & peel strength

Report	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
7	Slip resistance (CN/EN)	SGS	Shod ramp test	DIN EN 16165:2023-02	R12: 27° to 35°	R12; 32°
8	Heat of combustion	National Building Materials Testing Center	Mass per unit area	GB/T 11982.1-2015, 6.4		2,978 g/m²
			Heat of combustion	GB/T 14402-2007 2		9.4 MJ/kg
9	Formaldehyde emission (CN/EN)		Formaldehyde emission (desiccator method)	GB/T 17657-2022, 4.61		Not detected (< 0.1 mg/m²)
10	Peel strength (CN/EN)		Peel strength	GB/T 11982.1-2015, 6.9	Longitudinal mean	35 N/50 mm
			Peel strength	GB/T 11982.1-2015, 6.9	Longitudinal individual value	35 N/50 mm
			Peel strength	GB/T 11982.1-2015, 6.9	Transverse mean	35 N/50 mm
			Peel strength	GB/T 11982.1-2015, 6.9	Transverse individual value	35 N/50 mm