Specification Form

Noted: The follow test result are summerized by SGS test report with our products, if you need more information, please contact us for full documents.

No. 1 — SPC FLOORING

Spec

Size	180x1220 mm
Thickness	4mm
Surface treatment	Double UV coating
Wooden grain	
Calcium Carbonate ≈ 70% and Pure PVC ≈ 30%	
IXPE 1.0-2.0mm	
25 years for residential, 15 years for light commercial	
Noted: one uv coating for wear resistence, one uv coating for Staining resistence	

SPC Flooring PARAMETERS

Resistance to Staining

Test Method: With Reference to EN 13329:2016+A1:2021 Clause 4.2 & EN 438-2:2016+A1:2018 Clause 26

Resistance to Staining	Acetone	No change Test area indistinguishable from adjacent surrounding area
	120g/L Coffee	
	25% Sodium hydroxide	
	30% Hydrogen peroxide	
	Carbon black suspension in paraffin oil (Shoe polish simulant)	

Micro-Scratch Resistance

Test Method: With Reference to EN 16094:2012

Procedure	Sample	Gloss change ΔR' (85 °) (See note 1),%	Micro-scratch resistance class
A	1	-3.6	⩽10%
	2	-9.5	⩽10%
	3	2.7	⩽10%
Procedure	Sample	Appearance	Class
B	1	No visible change	the best
	2	No visible change	the best

Formaldehyde Emission

Test Method: With Reference to EN 717-1:2004, analysis was performed by UV-Vis.

Test Item(s)	Unit	MDL	Result
Formaldehyde Emission (In air)	mg/m³	0.08	ND

ND = Not Detected (< MDL)

Fire Classification for Burning Behavior of Flooring Material

Ⅰ .Test Method: EN 13501-1:2018 Clause 9 & EN ISO 9239-1:2010 & EN ISO 11925-2:2020

Specimens that do not ignite or which spread flame less than 110 mm have a critical heat flux ⩾11kW/m2

Ⅱ . EN ISO 11925-2:2020 Reaction to fire tests-Ignitability of products

Reaction to fire classification: Bfl – s1

No. 2 — PVC VINYL FLOORING

Spec

Size	180*1220 mm
Thickness	1.8/2.5/3 mm
Surface treatment	Single UV coating
Wooden grain	
Calcium Carbonate ≈ 70% and PVC ≈ 30%	
Thermosensitive adhesive glue	
10 years for residential, 15 years for light commercial	
Noted: one uv coating for wear resistence	

PVC Vinyl Flooring PARAMETERS

Test Method

With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS..

Test Item(s).	Limit	Unit.	MDL.	Result
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND
Soluble Lead (Pb).	23	mg/kg	5	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND
Soluble Arsenic (As)	47	mg/kg	10	ND
Soluble Barium(Ba).	18750	mg/kg	50	ND
Soluble Cadmium	17	mg/kg	5	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND
Soluble Selenium (Se)	460	mg/kg	10	ND
Soluble Boron (B).	15000	mg/kg	50	ND
Soluble Cobalt (Co).	130	mg/kg	10	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND
			50	ND
Soluble Strontium (Sr) .	56000	mg/kg	50	ND
Soluble Zinc (Zn).	46000	mg/kg	50	ND
Soluble Copper	7700	mg/kg	50	ND
Soluble Aluminum (Al)	28130	mg/kg	50	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND
Soluble Tin (Sn).	180000	mg/kg	3	ND
Soluble Organic	12	mg/kg	-	ND

Reaction to fire classification: Bfl – s1