TEST REPORT

Sample Information:

Flooring, See the photographs.

Lab environment condition: 23±2°C, 50±5%RH

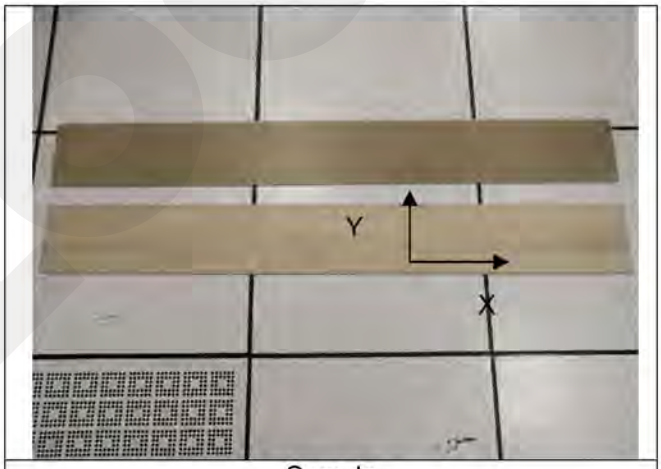
Preconditioning: 23±2°C, 50±5%RH for a minimum of 24h

Test Result(s):

No.	Test item(s)	Test method(s)	Test condition	Test result(s)
1	Locking strength	ISO 24334:2014	Specimen: 10 pieces of long side (X direction) specimens 200mm×182mm, 10 pieces of short side (Y direction) specimens 200mm×182mm Loading rate: 0.5 mm/min	Long side(X): 4.0 kN/m Short side(Y): 3.0 kN/m
2	Peel Strength	ASTM D903-98(2017)	Specimen width:25mm Separation speed:152mm/min	X direction:70.6N/25mm Y direction:66.2N/25mm
3	Light Ageing Test-Xenon-arc Exposure	ASTM F1515-15 & ASTM F3261-20 section 8.6	/	See annex A

Note: All test specimens were cut from the samples, see the photographs.

Original Sample Photo:



Sample

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TEST REPORT

Annex A:

Test Item: Light Ageing Test-Xenon-arc Exposure

Sample Description: See photo

Test Method: ASTM F1515-15 & ASTM F3261-20 section 8.6

Test Condition:

Exposure cycle:

Irradiance: 0.30 W/(m^2·nm)@340 nm

Continuous light at (63±2) ℃ BPT, (50±10) %RH

Filter: Window

Exposure period: 300 h

Test Result:

Sample	ΔE^*_{ab} (see table 1)	Requirement in ASTM F3261-20 section 8.6	Conclusion
A	1.3	$\Delta E^*_{ab} \leq 8.0$	Pass

Note: ΔE^*_{ab} was measured by sphere spectrophotometer under D65 standard light source and with 10° observer. The results include specular component reflection condition, 8 mm aperture.

Table 1:

Sample	Exposure period	L *	a*	b*	ΔE^*_{ab}	Average of ΔE^*_{ab}
A-1	0 h	73.44	2.91	14.59	1.3	1.3
	300 h	74.43	2.23	14.97		
A-2	0 h	75.16	2.80	16.99	1.4	
	300 h	76.23	2.19	17.54		
A-3	0 h	74.89	2.91	16.76	1.2	
	300 h	75.79	2. 35	17.39		

Note: The test results were transferred from report No.: XMIN2102001295CM dated: Jul 23, 2021 issued by SGS.

******** End of report********

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