FOSHAN KERUIDA PLASTIC PRODUCTS MANUFACTURE CO., LTD
NO. 2, JINKENG ROAD, BAINI TOWN, SANSHUI DISTRICT, FOSHAN CITY

Sample Description	:	SPC FLOORING
Manufacturer	:	KERUIDA
Country of Origin	:	CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date	:	Feb 01, 2021
Test Performing Date	:	Feb 01, 2021 to Mar 08, 2021
Test Performed	:	Selected test(s) as requested by applicant
Test Result(s)	:	For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

scan to see the report
SDHL2102001868HI

Peter Zhao
Authorized Signatory

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

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Test Result Summary

No.	Test item	Test(s) Requested(Method)	Result(s)	Comments
1	Mass deviation per unit area	GB/T 34440-2017 Clause 7.4.1	Refer to next page(s)	/
2	Light fastness	GB/T 34440-2017 Clause 7.4.3	Pass	/
3	Lock strength	GB/T 34440-2017 Clause 7.4.5	Pass	/
4	Effect of a castor chair	GB/T 34440-2017 Clause 7.4.6	Pass	/
5	Resistance to cold liquids	GB/T 34440-2017 Clause 7.4.8	Pass	/
6	Abrasion resistance	GB/T 34440-2017 Clause 7.4.9	Refer to next page(s)	/
7	Dimensional stability resultant to heat	GB/T 34440-2017 Clause 7.4.10	Pass	/
8	Curling resultant to heat	GB/T 34440-2017 Clause 7.4.11	Pass	/
9	Curling resultant to temperature	GB/T 34440-2017 Clause 7.4.12	Pass	/
10	Anti sliding value	GB/T 24508-2017 Clause 6.5.12	Refer to next page(s)	/
For further details, please refer to the following page(s)				

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Test Information:

Sample description: See photo

1. Test item: Mass deviation per unit area

Test method: GB/T 34440-2017 Clause 7.4.1

Test condition:

Sample size:100mm×100mm

Test result:

Weight per unit	Conclusion
8240 g/m^2	/

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2. Test Item: Light fastness

Test Method: GB/T 34440-2017 Section 7.4.3 & GB/T 4085-2015 & GB/T 8427-2008 Method3 & GB/T 250-2008

Test Condition:

Exposure cycle:

ISO 105-B02:2014 Cycle A1

Irradiance: (1.10 ± 0.02)W/(m^2·nm)@420nm

Continuous light at (45±3) ℃ BPT, Approximately 40% effective humidity

Filter: Window-IR

Exposure period: 118h (See note 2)

Test Result:

Sample/blue wool reference	Grey scale	Light fastness degree (Compared with No. 6 blue wool)	Client's requirement	Conclusion
Sample A	4-5	Light fastness degree＞6	Light fastness degree≥6	Pass
No.1 Blue wool	1	/	/	/
No.2 Blue wool	1	/	/	/
No.3 Blue wool	1-2	/	/	/
No.4 Blue wool	2	/	/	/
No.5 Blue wool	2-3	/	/	/
No.6 Blue wool	3	/	/	/
No.7 Blue wool	4	/	/	/
No.8 Blue wool	5	/	/	/

Note:

1.According to GB/T 250-2008, the grey scale was determined under the D65 standard light, with scale 5 as the best and scale 1 as the worst.

2. End the test when the No.6 blue wool faded to grey scale of 3.

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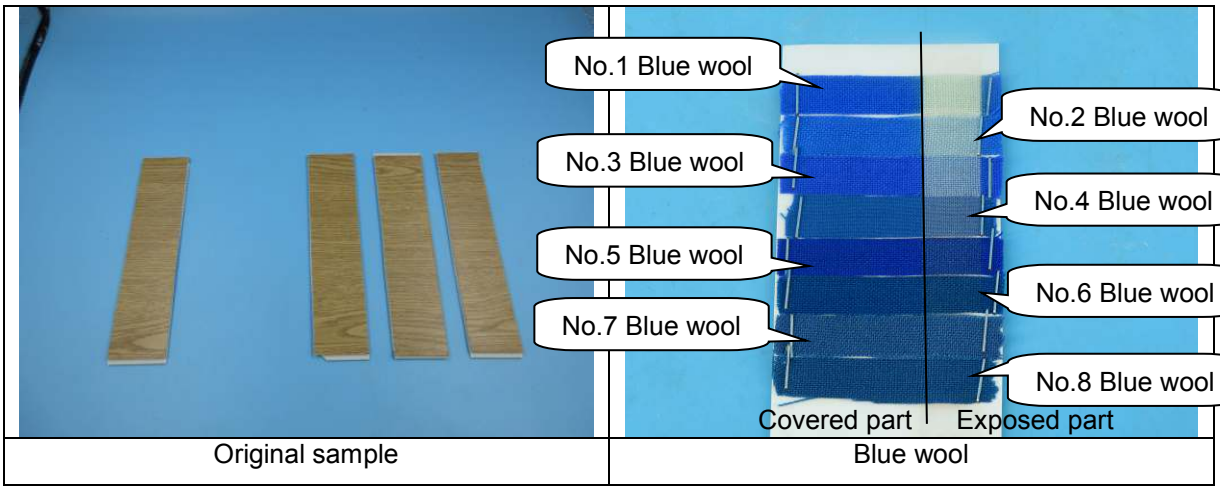
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Test Photo:



Original sample	Blue wool

3. Test item: Lock strength

Test method: GB/T 34440-2017 Clause 7.4.5

Test condition:

Sample size: 40mm×100mm

Test speed:（100±5）mm/min

Test environment: 23.4℃，52%RH

Test result:

Lock strength（kN/m）			Requirement of the GB/T 34440-2017 Table 5	Conclusion
Short side	Average value	5.35	Lock strength≥1.5 kN/m	Pass
Long side	Average value	4.93		

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4. Test item: Effect of a castor chair

Test method: GB/T 34440-2017 Clause 7.4.6

Test condition:

Before the test, clean the surface of the test piece with a vacuum cleaner, clean the surface of the caster wheel with paper dipped in ethanol and dry it. Slowly lower the casters to contact the test piece to ensure that the running track of the casters passes through the splicing line. Place the vacuum cleaner as close to the specimen as possible, but not touching it. Start the vacuum cleaner, set the counter so that the number of revolutions of the disc is 25,000 and start.

Test environment: 22.7℃，51%RH

Test result:

Appearance	Requirement of the GB/T 34440-2017 Table 5	Conclusion
No visible damage	≥25000 revolutions, there is no damage such as delamination, cracking, and seam opening.	Pass

Test photo:



After test

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5. Test item: Resistance to cold liquids

Test method: GB/T 34440-2017 Clause 7.4.8

Test conditions:

No covered: 2h

Test environment: 22.7℃，51%RH

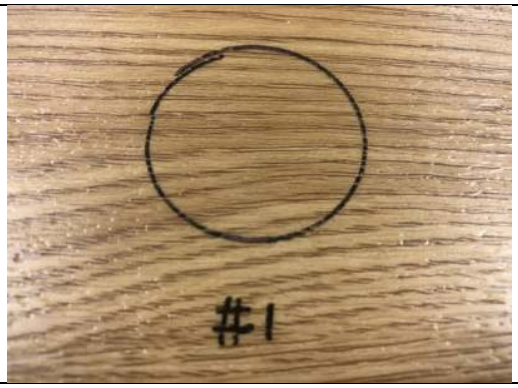
Test result:

Test liquid	Appearance	Requirement of the GB/T 34440-2017 Table 5	Conclusion
Acetone	No pollution, no corrosion	No pollution, no corrosion	Pass
Coffee (120g of coffee per litre of water)	No pollution, no corrosion		Pass
Sodium hydroxide (25% solution)	No pollution, no corrosion		Pass
Hydrogen peroxide (30% solution)	No pollution, no corrosion		Pass
Shoe polish simulant	No pollution, no corrosion		Pass

Test photo:

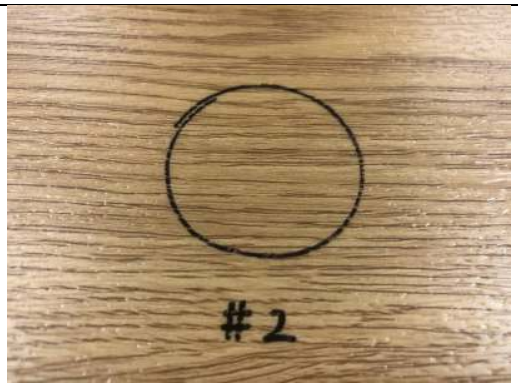
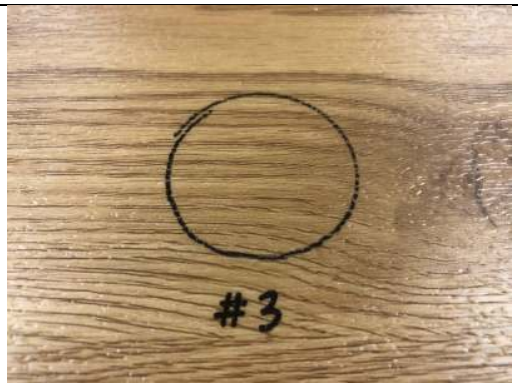


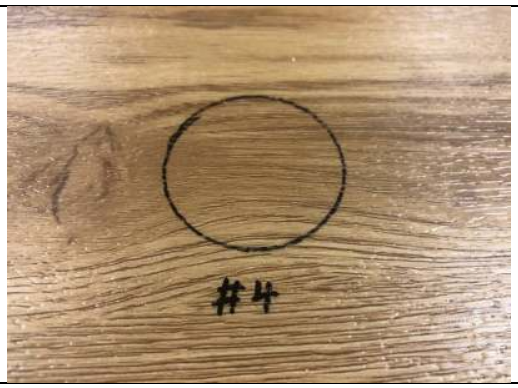
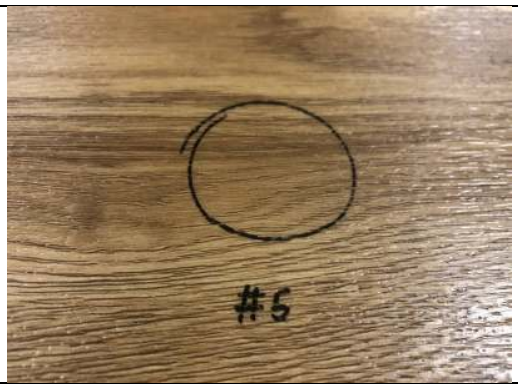
Original sample



Acetone

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Coffee	Sodium hydroxide (25% solution)

	
Hydrogen peroxide (30% solution)	Shoe polish simulant

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6. Test item: Abrasion resistance

Test method: GB/T 34440-2017 Clause 7.4.9

Test condition:

Wheel: S-39

Load: 1000g/wheel

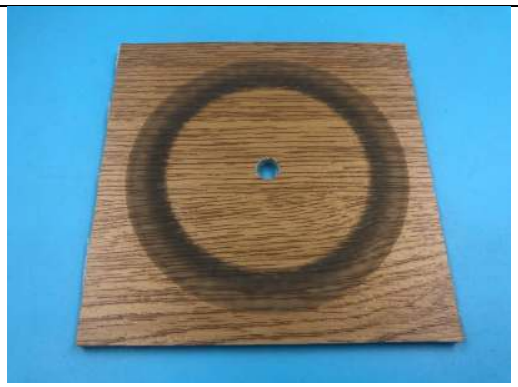
Rotating speed:（60±2）r/min

Total revolutions: 5000 cycles (wear resistant layer not worn through)

Test result:

Volume loss（mm^3）	Requirement of the GB/T 34440-2017 Table 5	Conclusion
1.8	Fv≤2.0mm^3	Grade T

Test photo:



After test

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7. Test item: Dimensional stability resultant to heat

Test method: GB/T 34440-2017 Clause 7.4.10

Test condition:

Place the test specimens horizontally on to support plates, previously placed in the oven, and allow to come to （80±2）℃. Maintain the test specimens at this temperature for 6 h in the oven.

Test environment: 22.7℃，51%RH

Test result:

Dimensional stability change rate		Requirement of the GB/T 34440-2017 Table 5	Conclusion
Vertical	+0.04%	Dimensional stability change rate ≤0.25%	Pass
Horizontal	+0.05%		Pass

8. Test item: Curling resultant to heat

Test method: GB/T 34440-2017 Clause 7.4.11

Test condition:

Place the test specimens horizontally on to support plates, previously placed in the oven, and allow to come to （80±2）℃. Maintain the test specimens at this temperature for 6 h in the oven.

Test environment: 22.7℃，51%RH

Test result:

Curling resultant to heat	Requirement of the GB/T 34440-2017 Table 5	Conclusion
0.10mm	Curling resultant to heat≤2.0mm	Pass

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9. Test item: Curling resultant to temperature

Test method: GB/T 34440-2017 Clause 7.4.12

Test condition:

Step 1: Place in an environment with a temperature of（20±1）℃ for 24h;

Step 2: Place it in an environment with a temperature of（5±1）℃ for 24h;

Step 3: Put it in an environment with a temperature of（35±1）℃ for 24h.

Test result:

Curling resultant to temperature	Requirement of the GB/T 34440-2017 Table 5	Conclusion
0.05mm	Curling resultant to temperature≤2.0mm	Pass

10. Test item: Anti sliding value

Test method: GB/T 24508-2017 Clause 6.5.12

Test condition: Pendulum friction coefficient tester

Test environment: 22.7℃，51%RH

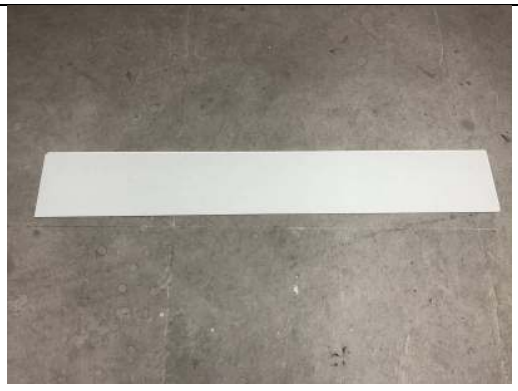
Test result:

Anti sliding value	Conclusion
21	/

Photo Appendix:



Original sample



Original sample

End of Report

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