

FLOORCO TRADING LTD.

TEST REPORT

SCOPE OF WORK

FLOORCO Venner SPC flooring

REPORT NUMBER

230907003SHF-001

TEST DATE(S)

2023-09-07 - 2023-10-08

ISSUE DATE

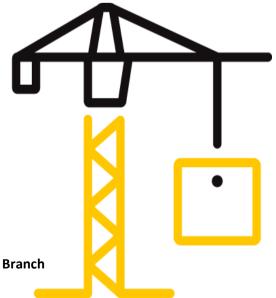
2023-10-17

PAGES

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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



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Test Report

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Test Report

Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Applicant: FLOORCO TRADING LTD.

Address: 118 CARBINE ROAD, MT WELLINGTON

Attn: Terry SHI

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	FLOORCO Venner SPC flooring		FLOORCO Venner SPC flooring		Brand	/
Sample	Cond Condition		Sample Amount	116pcs		
Description		Good Condition		2023-08-28		
Sample ID		Model	Specification			
S230907003SHF.001~008, 010~025, 31, 033~034		WOODFACE	190*6/1*19	900+2mm 10X IXPE		

Test Methods And Standards

Test Standard	ISO 24337:2019, ASTM F387-17(2022), With reference to ASTM F410-08(2022), ASTM F3261-20 section 7.4, 7.5, 7.6, 7.7, 8.1, 8.2, 8.3, 8.4, 8.5, 8.7, ASTM F1914-18, ASTM F2199-20 and applicant's requirement, ASTM F925-13(2020), ASTM F1514-19, ASTM F970-22, ASTM D570-22, With reference to ISO 16981:2003, ANSI/HPVA HP-1-2020 section 4.6, ASTM D1037-12(2020), Section 9, ASTM D4060-19, With reference to ISO 1518-1:2019, EN 13329:2016+A2:2021, Annex H, ASTM C518-21, ISO 4918:2016/Amd.1:2018, EN ISO 16581:2019/ISO 16581:2014, ISO 24334:2019, ASTM C1028-07 ^{e1} , ASTM D3363-22, ASTM D3359-22, Method B, ISO 4760:2022, AS 4586-2013/Amdt 1-2017 Appendix A, B
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

2. ASTM C1028-07^{e1} is not current standard, test was performed as per client's requirement.

Report Authorized

Name: Sally Xie Title: Reviewer Mae Zhang

🔁: Project Engineer



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Size

Test Method: ISO 24337:2019

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test item	Nominal value (mm)	Tested value (mm)	Tolerance (mm)
Length	1900	1901.2	1.2
Width	190	190.03	0.03



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Thickness

Test Method: ASTM F387-17(2022)

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition:

Foot diameter of thickness gage: 6.35 mm

Mass applied: 28 g

Product with foam back layer: Yes

Test Result:

Nominal value: 8 mm

Average value: 8.24 mm

Tolerance: 0.24 mm

Max. value: 8.26 mm

Min. value: 8.19 mm

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Test Items, Method and Results:

Test Item: Venner thickness

Test Method: With reference to ASTM F410-08(2022)

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Result:

Nominal value: 1 mm

Average value: 0.92 mm

Max. value: 0.94 mm

Min. value: 0.91 mm



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Squareness, Flatness, Openings, Ledging

Test Method: ASTM F3261-20 section 7.4, 7.5, 7.6, 7.7 and ISO 24337:2019

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Result:

Test Item	Test Result					
Squareness	S _{max} =	0.08	mm			
	Maximum s	ingle val	ues:			
			$f_{w, concave} =$	0.15	mm	
Flatness			$f_{w, convex} =$	N/A	mm	
Fiduless	Maximum single values:					
			$f_{I, concave} =$	0.03	%	
			$f_{I, convex} =$	N/A	%	
Openings	O _{avg} =	0.03	mm			
Opermigs	O _{max} =	0.05	mm			
Ledging	H _{avg} =	0.07	mm			
Leaging	H _{max} =	0.10	mm			

Note:

N/A = Not applicable for this characteristic



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Residual indentation

Test Method: ASTM F3261-20 section 8.1 and ASTM F1914-18

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition:

Indenter: Steel cylindrical foot

Indenter diameter: 6.35 mm

Total load applied: 34 kg
Indentation time: 15 min

Recovery time: 60 min

Residual Indentation	Result (mm)
Specimen 1	0.06
Specimen 2	0.08
Specimen 3	0.07
Average value	0.07
Max. value	0.08



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Surface integrity

Test Method: ASTM F3261-20 section 8.2 and ASTM F1914-18

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition:

Indenter: Steel cylindrical foot

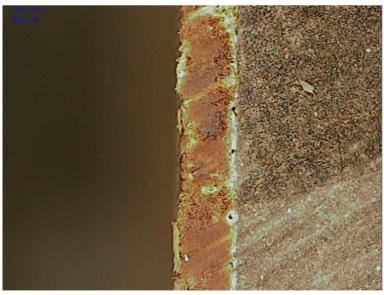
Indenter diameter: 4.52 mm

Total load applied: 63.5 kg
Indentation time: 10 min

Test Result:

Cnasiman	Examination of surface integrity
Specimen	Puncture through wear layer/décor into rigid core (Yes or No)
1	No
2	No
3	No

Test photo:



Microscope examination after test



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Dimensional stability and curling

ASTM F3261-20 section 8.3 and ASTM F2199-20 Test Method:

Conditioning:

Temperature: 23 °C Relative humidity: 50 % Duration: 24 h

Measure the initial length and curling

Test Condition:

Temperature: 70 °C Duration: 6 h

Reconditioning:

Temperature: 23 °C Relative humidity: 50 % Duration: 24 h

Measure the final length and curling

Test Result:

Specimen	Dimensio	Curling (in)	
Specimen	Length direction/Machine direction	ength direction/Machine direction Width direction/Across machine direction	
1	-0.06	0.03	0.188
2	-0.06	0.04	0.236
3	-0.08	0.04	0.438
Average	-0.07	0.04	0.287
Max.	-0.08	0.04	0.438

Note:

1. Dimensional stability = (final length - initial length)×100/initial length

A negative value indicates shrinkage, and a positive value indicates expansion.

2. Curling = final curling - initial curling = Curl

Express the average value to the nearest 0.001in



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Resistance to Chemicals

Test Method: ASTM F3261-20 section 8.4 and ASTM F925-13(2020)

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)^{\circ}$ % relative humidity for at least 24h

Test Condition:

Duration of reagent contact: 60 min

Test Result:

Not affected

See below table for detailed test results

Detailed test results of Resistance to Chemicals

Reagant	Rating				
Reagent	Surface attack	Color change	Surface dulling		
White vinegar (5% acetic acid)	0	0	0		
Rubbing alcohol (70% isopropyl alcohol)	0	0	0		
White mineral oil (medicinal grade)	0	0	0		
Sodium hydroxide solution (5% NaOH)	0	0	0		
Hydrochloric acid solution (5% HCl)	0	0	0		
Sulfuric acid solution (5% H ₂ SO ₄)	0	0	0		
Household ammonia solution (5% NH₄OH)	0	0	0		
Household bleach (5.25% NaOCl)	0	0	0		
Olive oil (light)	0	0	0		
Kerozene (K1)	0	0	0		
Unleaded gasoline (regular grade)	0	0	0		
Phenol (5% active phenol)	0	0	0		

According to ASTM F925-13(2020), rating 0-3 represents:

0 = no change; 1 = slight change; 2 = moderate change; 3 = severe change.

Surface Dulling - Indicating that the specimen suffered from a loss of gloss,

Color Change - Indicating that the specimen suffered discoloration or bleaching, or both, and

Surface Attack - Indicating that the specimen suffered surface damage such as softening, warping, swelling, blistering, peeling, raised or rough area.



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Resistance to heat

Test Method: ASTM F3261-20 section 8.5 and ASTM F1514-19

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition:

Temperature: 70 °C Exposure time: 7 days

Spectrophotometer: Under D65 standard light source, 10° observer

Test Result:

Specimen	ΔΕ*	Average ΔE*
1	2.09	
2	1.91	1.97
3	1.91	

Test Photo:



After exposure



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Static load resistance

Test Method: ASTM F3261-20 section 8.7 and ASTM F970-22

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition:

Indenter diameter: 28.6 mm

Total load applied: 250 lb / 250 psi

Indentation time: 24 h Recovery time: 24 h

Residual Indentation	Result (mm)
Specimen 1	0.76
Specimen 2	0.69
Specimen 3	0.63
Average value	0.69
Max. value	0.76



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Water Absorption
Test Method: ASTM D570-22

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 24h

Test Condition:

Temperature (°C) Duration (h)

Dry in oven: 50 24

Immersion in water: 23 24

Redry in oven: 50 24

Parameter	Specimen 1	Specimen 2	Specimen 3
Water absorption, (%)	1.37	1.94	1.27
Average value, (%)		1.36	



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Surface soundness

Test Method: With reference to ISO 16981:2003

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 24h

Test items	Test Results			
Surface soundness	Mean =	2.06	N/mm²	
Surface soundiess	Failure mode:	Failure within th	e glueline	

Test Photo:





Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Soak test

Test Method: ANSI/HPVA HP-1-2020 section 4.6

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 24h

Test Condition:

Temperature (°C) Duration (h)

 Immersion in water:
 24
 4

 dry in oven:
 49~52
 19

Number of cycles: 3

Constitution	Result
Specimen	Delamination(yes/no)
1	No
2	No
3	No
4	No
5	No
6	No



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Static Bending

Test Method: ASTM D1037-12(2020), Section 9

Conditioning: Dry "As Received"

Test Parameters:

Test Speed: 5.76 mm/min
Test Span: 144 mm

Test Results:

Test Item		Results
Modulus of rupture	parallel	Average: 24.1 MPa
Modulus of elasticity	parallel	Average: 9495 MPa
Modulus of rupture	perpendicular	Average: 19.0 MPa
Modulus of elasticity	perpendicular	Average: 6968 MPa

Note:

1. Test without attached back layer as per applicant's requirement.



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Abrasion/Wear resistance

Test Method: ASTM D4060-19

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 24h

Test Condition:

Rotation frequency: 60 r/min

Abrasive wheels: CS-10
Load on each wheel: 1000 g
Test revolutions: 1000 r

Test Result:

Parameter	Specimen 1	Specimen 2	Specimen 3
Mass/Weight loss, (mg)	15.7	15.9	15.5
Average value, (mg)	15.7		

Note:

1. Abbreviation "r" = revolutions/cycles

2. Test conditions were specified by client.



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Scratch resistance

Test Method: With reference to ISO 1518-1:2019

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 16h

Test Condition:

Scratch stylus: Hemispherical hard-metal tip of of diameter (1.00±0.01)mm

Test speed: (35±5) mm/s

Test Result:

Direction	Test Load(N)	Appearance
Horizontal	7.5	Visible scratch on the surface, but no penetration to the substrate.
Vertical	5.0	Visible scratch on the surface, but no penetration to the substrate.

Note:

1. Observation magnification is 4X.

Test photos:



After test (Horizontal)



After test (Vertical)



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Impact Resistance (large ball)
Test Method: EN 13329:2016+A2:2021, Annex H

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for at least 72h

Test Condition:

Impactor: Polished steel ball

Impactor mass:324gImpactor diameter:42.8mmDrop height:750mm

Specimen	Crack on the surface (Yes/No)	Verdict
1	No	
2	No	
3	No	Pass
4	No	
5	No	



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Thermal conductivity and thermal resistance

Test Method: ASTM C518-21

Conditioning: Condition the test specimen at (23±2)°C and (50±5)% relative humidity to constant mass

Sample	Thickness	Mean Temperature	Temperature Difference	Thermal Conductivity	Thermal Resistance
	(mm)	(°C)	(°C)	(W/m⋅K)	(m ² ·K)/W
1	8.20	24.5	19.6	0.107	0.077
2	8.31	24.5	19.8	0.106	0.079
3	8.39	24.5	19.6	0.109	0.077
Average	8.30	25	20	0.107	0.078



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Castor chair test

Test Method: ISO 4918:2016/Amd.1:2018

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Test Condition: At a temperature range of 18°C to 25 °C

Load mass: 90 kg
Test castors: Type W
Speed of rotating platform: 20 r/min
Speed of castor assembly: 50 r/min
Total test revolutions: 25000 r

Mounting of the specimen: Floating installation with click joints

Test Result:

Type of damage	Observation (Yes/No)	Verdict
Delamination	No	
Opening of joints	No	Dose
Surface damage	No	Pass
Crazing	No	
Maximum opening	0.03mm	No requirement
Maximum height differences	0.06mm	Report the result

Note:

1. Test without attached back layer as per applicant's requirement.

Test Photo:



After test



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Effect of simulated movement of a furniture leg

Test Method: EN ISO 16581:2019/ISO 16581:2014

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)^{\circ}$ % relative humidity for at least 5 days

Test Condition:

Type of Feet: Type 0
Applied Mass: 32 kg
Test Speed: 0.18 m/s

Test Result:

Path	Observation		Verdict
Length direction/Longitudinal direction		Width direction/Transverse direction	veruici
1	No visible damage	No visible damage	
2	No visible damage	No visible damage	Pass
3	No visible damage	No visible damage	

Record the damage caused for each test path if any damage is observed

- a) deterioration in the flatness of the surface;
- b) damage which partially destroys the surface;
- c) cuts of varying depths;
- d) penetrating edges;
- e) in the case of an open joint floor covering, a joint opening greater or equal to 1 mm;
- f) in the case of a treated or welded joint, its failure.



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Locking Strength
Test Method: ISO 24334:2019

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity to constant mass

Test Condition:

Test speed 0.5 mm/min

Test Result: Long side joint

Parameter	Average Result
Maximum locking strength F _{max} (N)	1412
Specific locking strength (kN/m)	6.7
Locking strength at 0.2 mm joint opening F _{0.2} (N)	705
Specific locking strength at 0.2 mm joint opening (kN/m)	3.4

Short side joint

Parameter	Average Result
Maximum locking strength F _{max} (N)	1799
Specific locking strength (kN/m)	9.7
Locking strength at 0.2 mm joint opening F _{0.2} (N)	1488
Specific locking strength at 0.2 mm joint opening (kN/m)	8.0



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Test Items, Method and Results:

Test Item: Static coefficient of friction

Test Method: ASTM C1028-07^{e1}

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for at least 24h

Specimen	Static coefficient of friction		
	Dry condition	Wet condition	
1	0.94	0.67	
2	0.93	0.66	
3	0.95	0.67	
Average	0.94	0.67	



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Film hardness
Test Method: ASTM D3363-22

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity for 24h

Scratch hardness	Н
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Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Adhesion by tape test
Test Method: ASTM D3359-22 Method B

Conditioning: Condition the test specimens at $(23 \pm 2)^{\circ}$ C and $(50 \pm 5)\%$ relative humidity

Results:

Specimen	Rating
1	5B
2	5B
3	5B
Mean	5B

Rating	Description
5B	The edges of the cuts are completely smooth; none of the squares of the lattice is detached.
4B	Small flakes of the coating are detached at intersections; less than 5 % of the area is affected.
3B	Small flakes of the coating are detached along edges and at intersections of cuts. The area affected is 5 to 15 % of the lattice.
2B	The coating has flaked along the edges and on parts of the squares. The area affected is 15 to 35 % of the lattice.
18	The coating has flaked along the edges of cuts in large ribbons and whole squares have detached. The area affected is 35 to 65 % of the lattice.
ОВ	Flaking and detachment worse than Classification 1B.



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Dimensional stability and curling

Test Method: ASTM F2199-20 and applicant's requirement

Conditioning:

Temperature: 23 °C Relative humidity: 50 % Duration: 24 h Measure the initial length and curling

Test Condition:

Temperature: -30 °C (applicant's requirement)

Duration: 6 h

Reconditioning:

Temperature: 23 °C Relative humidity: 50 % Duration: 24 h Measure the final length and curling

Test Result:

Specimen	Dimensio	Curling (in)	
Specimen	Length direction/Machine direction	Width direction/Across machine direction	Curling (in)
1	0.00	-0.02	0.042
2	0.00	-0.04	0.050
3	0.01	-0.03	0.046
Average	0.00	-0.03	0.046
Max.	0.01	-0.04	0.050

Note:

1. Dimensional stability = (final length - initial length)×100/initial length

A negative value indicates shrinkage, and a positive value indicates expansion.

2. Curling = final curling - initial curling = Curl

Express the average value to the nearest 0.001in



Issue Date: 2023-10-17 Intertek Report No. 230907003SHF-001

Test Items, Method and Results:

Test Item: Laminate flooring –Topical moisture resistance – Assembled Joint

Test Method: ISO 4760:2022

Conditioning: Condition the test specimens at (23±2)°C and (50±5)% relative humidity for 24h

Test Condition:

Duration (h)

Standard for water: 24 Recovery: 24

		Quantitative Results (mm)			Qualitative rating					
		Specimen		Specimen						
		1	2	3	Average	1	2	3	Average	
	Test Position 1 (inverted "T" joint)	0.04	0.09	0.09	/	N/A		N/A	N/A	
Initial measurement	Test Position 2	-0.01	0.00	0.05	. /		N/A			
	Test Position 3	0.07	-0.01	0.04						
	Test Position 4	0.01	0.02	-0.03						
	Test Position 1 (inverted "T" joint)	0.08	0.05	0.06	0.06	1	1	1	1	
Wet swell	Test Position 2	0.03	0.00	0.02	0.04					
	Test Position 3	0.05	0.05	0.04						
	Test Position 4	0.07	0.04	0.04						
Recovery swell	Test Position 1 (inverted "T" joint)	0.02	0.00	0.02	0.01	01	1 1	1	1	
	Test Position 2	0.01	0.00	0.00	0.01					
	Test Position 3	0.02	0.01	0.02		0.01				
	Test Position 4	0.03	0.01	0.03						



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Note:

1. Evaluate the joints for apparent differences, in visual swell and feel (light touch can be helpful in discerning differences) within the circle compared to unexposed portions of the specimen and grade the test assembly per the criteria listed below.

Calculate the average of wet and recovery swell ratings and round to the whole integer. In case of 2 failed tests, the final qualitative average is set to 5.

Grade:

- 1 = No change Little to no noticeable change in edge swell or panel surface lift
- 2 = Slight swelling Slight swelling, small ridge along one or more joints, very little if any panel surface lift.
- 3 = Moderate Noticeable edge swelling and some panel surface lift extending away from joint
- 4 = Objectional Severely raised edge and swelling extending noticeably under the panel surface.
- 5 = Failed Test Water leaked out of the ring, leaving no continuous film of water inside the ring (this grade is given even if there is no swell of the edge joint)

2.

Position 1 (inverted "T") wet swell = Position 1 wet swell height – Position 1 initial height

Position 2 wet swell = Position 2 wet swell height - Position 2 initial height

Position 3 wet swell = Position 3 wet swell height - Position 3 initial height

Position 4 wet swell = Position 4 wet swell height - Position 4 initial height

Position 1(inverted "T") Recovery swell = Position 1 Recovered height – Position 1 initial height

Position 2 Recovery swell = Position 2 Recovered height – Position 2 initial height

Position 3 Recovery swell = Position 3 Recovered height - Position 3 initial height

Position 4 Recovery swell = Position 4 Recovered height – Position 4 initial height

If one test fails (due to excess leakage), report data along with notation that report values represents two sets of data. If two specimens fail due to excess leakage, report fata for that one remaining set and note that the other two test specimens had excessive leakage through the assembled joint. If all three specimens fail due to excess leakage, no wet swell values or recovered swell values are reported and test is reported as a failure.

3. The test specimens were assembled by applicant.



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Test Items, Method and Results:

Test Item: Wet Pendulum Test

Test Method: AS 4586-2013/Amdt 1-2017 Appendix A

Conditioning: Condition the test specimens at (23 ± 2) °C and (50 ± 5) % relative humidity for 48 hours

Test Temperature: 23 °C Slider: Slider 96

Test Surface: Wet condition

Test direction: 0°= parallel to length direction

45°= angle of 45° with length direction or width direction

90°= parallel to width direction

Test Item	Test Method	Test Result		Class	
		Direction	Pendulum SRV		
Wat pandulum tast	AS 4586-2013/Amdt 1-2017 Appendix A	0°	41	P3	
Wet pendulum test		45°	38	P3	
		90°	43		

Note:

- 1. Class based on the lowest result of three directions.
- 2. Test surface and directions were included in Appendix A of this report.

AS 4586 Wet Pendulum Test Classification of Pedestrian Surface Materials

Class	Pendulum SRV			
Class	Slider 96	Slider 55		
P5	>54	>44		
P4	45-54	40-44		
P3	35-44	35-39		
P2	25-34	20-34		
P1	12-24	<20		
PO	<12	/		



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Test Items, Method and Results:

Test Item	Test Method	Test Result	
Dry Floor Friction Test		Mean value:	0.77
Dry Floor Friction Test		Class:	D1

Note:

1. Test item was subcontracted on accreditation by CNAS L1978.

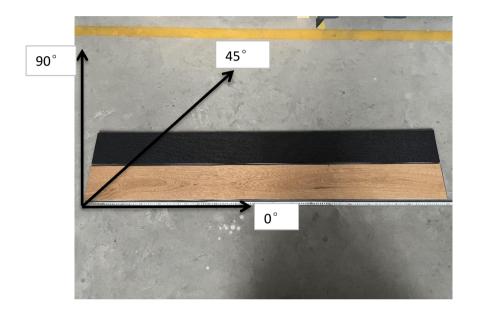
AS 4586 Dry Floor Friction Test Classification of Pedestrian Surface Materials

Class	Floor Friction tester mean value		
D1	≥0.40		
D0	<0.40		



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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes
230907003SHF-001	2023-10-17	First issue