TEST REPORT

No. : XMIN2211009393CM
Date : Dec 05, 2022

scan to see the report
XMIN2211009393CM

CUSTOMER NAME: EVERLASTING BASE SDN BHD

ADDRESS: LOT3623-3626 TAMAN PERINDUSTRIAN JASIN ,77200 BEMBAN, MELAKA, MALAYSIA

Sample Name	:	SPC6512-3
Manufacturer	:	EVERLASTING BASE SDN BHD
Material and Mark	:	SPC

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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Date of Receipt	:	Nov 23, 2022
Testing Start Date	:	Nov 23, 2022
Testing End Date	:	Dec 05, 2022
Test result(s)	:	For further details, please refer to the following page(s) (Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical Services Co. , Ltd Xiamen Branch Testing Center

Bryan Hong
Authorized signatory

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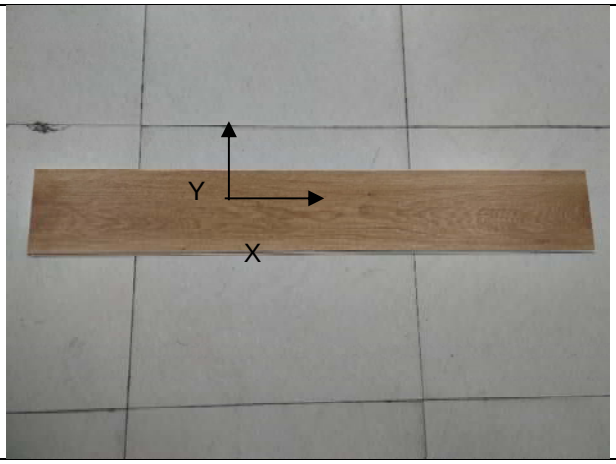
Summary of Results:

No.	Test Item	Test Method	Result
1	Peel Strength	ASTM D903-98(2017)	See result
2	Scratch Resistance	Reference to ISO 1518-1:2019 and client's requirement	18.5N
3	Size and Squareness	ASTM F2055-17(2021)	See result
4	Dimensional Stability After Exposure to Heat	ASTM F2199-20	See result
5	Static coefficient of friction	ASTM D2047-17	0.53
6	Locking strength	ISO 24334:2019	See result
7	Abrasion Resistance	EN 13329:2016+A2:2021 Annex E	Average abrasion cycles: 4600 revolutions Abrasion class: AC4

Original Sample Photo:



Sample

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TEST REPORT

1.Test Item: Peel Strength

Sample Description: see photo

Test Method: ASTM D903-98(2017)

Test Condition:

Specimen width: 25mm

Separation speed: 152.4mm/min

Lab Environmental Condition:(23±2)℃,(50±5)%RH

Test Result:

Test Item	Test Result
Peel Strength	X direction :53.35 N/25mm Y direction :61.48 N/25mm

Note: Test specimens were cut from the sample.

2. Test Item: Scratch Resistance

Sample Description: See photo

Test Method: Reference to ISO 1518-1:2019 and client's requirement

Test Condition:

Rubbing stylus: Scratch stylus B

Stroke: 40 mm

Rubbing Rate: (35±5) mm/s

Test Result:

Sample	Load	Appearance
A	18.5 N	No worn-out to the surface coating

Note:

1. Observation magnification is 4X.
2. Test is along the grain of wood.

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TEST REPORT

3.Test Item: Size and Squareness

Sample Description: See photo

Test Method: ASTM F2055-17(2021)

Test Condition:

Condition the test pieces at a temperature of (23±1) ℃ and relative humidity (50±10) % for a minimum of 24 h.

Test result:

Test item	Length	Width	Squareness
Test result	Ave.: 1220.01mm Max.: 1220.02mm Min.: 1220.01mm	Ave.: 184.01mm Max.: 184.01mm Min.: 183.99mm	0.05mm

Note: All test specimens were cut from the sample.

4.Test Item: Dimensional Stability and Curling after Exposure to Heat

Sample Description: See photo

Test Method: ASTM F2199-20

Test Condition:

Specimen: 305mm×184mm, 3pcs

Condition: (23±2)℃, (50±5)%RH, 24h →(82±2)℃, (6±0.25)h→(23±2)℃, (50±5)%RH, 24h

Lab Environment Condition: (23±2)℃, (50±5)%RH

Test Result:

Dimensional stability of X direction: -0.04%

Dimensional stability of Y direction: 0.01%

Curling $_{value}$: -0.04mm

Curling $_{max}$: -0.18mm

Note:

1. All test specimens were cut from the original samples.

2. Dimensional stability, % = (The average final length – The average initial length)/The average initial length ×100.

3. Curling, mm = Dimension after exposure to heat - Dimension before exposure to heat.

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5.Test Item: Static coefficient of friction

Sample Description: Flooring, See photo

Test Method: ASTM D2047-17

Test Condition:

Specimen: 300mm×184mm, 3pcs, cut from original sample

Test shoe material: leather

Test speed: 1524mm/min

Testing surface: see photo

Test result:

Dry condition: 0.53

6.Test Item: Locking strength

Sample Description: Flooring, See photo

Test Method: ISO 24334:2019

Test Condition:

Specimen: 200mm×150mm (X Direction) 200mm×150mm (Y Direction), 10 pieces of long side specimens (X Direction), 10 pieces of short side specimens (Y Direction)

Precondition: at (23±2)°C, (50±5)%RH for 24h.

Loading rate: 0.5mm/min

Test result:

Testing direction	Long side(X)	Short side(Y)
Locking strength mean value, kN/m	4.5	4.1

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7.Test Item: Abrasion Resistance

Sample Description: Flooring, See photo

Test Method: EN 13329:2016+A2:2021 Annex E

Test Condition:

Specimen: 100mm×100mm, 3pcs

Condition: 23±2°C, 50±5%RH, 24h

Type of wheel: CS-0

Load: 5.4N/wheel

Rotating speed: 60r/min

Abrasive paper strips: S-42(P180)

Test Result:

Average abrasion cycles:4600 revolutions

Abrasion class: AC4

Note:

1. All test specimens were cut from the sample.

2. Abrasion class according to EN 13329:2016+A2:2021 Annex E Table E.1 as follow:

Abrasion class	AC1	AC2	AC3	AC4	AC5	AC6
Average abrasion cycles	≥500	≥1000	≥2000	≥4000	≥6000	>8500

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

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