

TEST REPORT

No.: XMIN2603000518CM05_EN

Issue Date: 2026-04-01

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CUSTOMER NAME: RAMHOUSE, LLC
ADDRESS: RUSSIA, 115487, MOSCOW, NAGATINSKAYA ST., BUILDING 16,
HOUSING 1, CONSTRUCTION 5, ROOM 6H

Sample Name : FLOOR FORT (ФЛОР ФОРТ)
Product Specification : Thickness: 10.0+/- 1mm
Other Information : Product Description: HDF laminate floor (high density laminate floor)

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.

Sample Source : Customer-delivered
Date of Receipt : 2026-03-20
Testing Period : 2026-03-20 ~ 2026-04-01
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 and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd. Xiamen Branch

Bryan Hong

Authorized signatory

Scan to see the report



XMIN2603000518CM05
Verification:
check.sgsonline.com.cn



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Xiamen Branch Commercial General Laboratory

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Summary of Results:

No.	Test Item	Test Method	Result
1	Micro-scratch Resistance	EN 16094:2021	See result

Original Sample Photo:



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1. Test Item: Micro-Scratch Resistance

Sample Description: See photo

Test Method: EN 16094:2021

Test Condition:

Rubbing finger: Contact area $\Phi 90\text{mm}$

Procedure A:

Rubbing material: SB 7447

Load: 612g

Cycles: 80

Procedure B:

Rubbing material: SB 7440

Load: 413g

Cycles: 160

Test Result:

Procedure A:

Specimen No.	Gloss value R_i	Gloss change ΔR (60°) (See note 1)	Average Gloss change ΔR (60°)	Gloss change $\Delta R'$ (60°) (See note 1)	Average Gloss change $\Delta R'$ (60°)	Micro-scratch resistance class (See note 2)
1	9.4	0.5	0.2	5.3%	2.7%	MSR-A1
2	7.2	0.2		2.8%		
3	7.4	0.0		0.0%		

Procedure B:

Specimen No.	Appearance	Micro-scratch resistance Class (See note 3)
1	No visible scratches.	MSR-B1
2	No visible scratches.	MSR-B1
3	No visible scratches.	MSR-B1



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Note:

1. $\Delta R = R_i - R_f$, $\Delta R' = (R_i - R_f) / R_i \times 100\%$, R_i is the mean value at initial state, R_f is the mean value after finishing the test. The gloss value was measured along the texture direction.

2. Classification of mean values of gloss change:

Micro-scratch resistance class according to procedure A	I Change of gloss I
MSR-A1	≤10%
MSR-A2	> 10 % to 30 %
MSR-A3	> 30 % to 50 %
MSR-A4	> 50 % to 70 %
MSR-A5	> 70 %

3. According to EN 16094:2021 Table B.1, MSR-B1 is the best while MSR-B5 is the worst.

Class	Explanation
MSR-B1	No visible scratches
MSR-B2	Only few scratches
MSR-B3	Many well visible scratches
MSR-B4	A great many well visible raw and fine scratches, Lissajous figure partly visible
MSR-B5	Mix of Lissajous figure and great many scratches, mat abrasion like area in the middle

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



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