



Test Report

No.SDHL241102187701HI

Date: Jan 24, 2025

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INNOMASTER HOME (ZHONGSHAN) CO.,LTD
THE 5TH OF NO.2 SHAGANG DONG ROAD, GANGKOU TOWN, ZHONGSHAN CITY,
GUANGDONG PROVINCE, CHINA

Sample Description : LCB WALL PANEL

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.

Sample Receiving Date : Nov 14, 2024

Test Performing Date : Nov 18, 2024 to Jan 24, 2025

Test Performed : Selected test(s) as requested by applicant

Test Result Summar

No.	Test item	Test(s) Requested	Result(s)	Comments
1	Resistance to staining	ISO 4586-2:2018(E) Clause 30 & Client's requirement	Refer to next page(s)	/
2	Micro-scratch resistance	EN 16094-2021(E) Procedure B	Refer to next page(s)	/
3	Resistance to artificial weathering (Exterior grade laminates)	ISO 4586-2:2016 Clause 35 & ISO 4892-2:2013/Amd.1:2021 Cycle 1 and ISO 105-A02:1993 Cor2:2005	Refer to next page(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

Peter Zhao
Authorized Signatory

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中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

Test Information:

Sample Description: See photo

1. Test item: Resistance to staining

Test method: ISO 4586-2:2018(E) Clause 30 & Client's requirement

Test conditions:

Step A: place a small amount of pollutants (e.g. 2 ~ 3 drops) on two horizontally placed test pieces, and cover the glass cover plate on the surface of one of the test pieces.

Test result(s):

Test liquid	Condition	Appearance rating	
Acetone	Step A, 16~24h (Normal atmospheric temperature)	Uncovered	5
		Cover	5
Sodium hydroxide (25% solution)	Step A, 10min (Normal atmospheric temperature)	Uncovered	5
		Cover	5
Hydrogen peroxide (30% solution)	Step A, 10min (Normal atmospheric temperature)	Uncovered	5
		Cover	5
Carbon black suspension in paraffin oil (Shoe polish simulant)	Step A, 10min (Normal atmospheric temperature)	Uncovered	5
		Cover	5

Note: Appearance rating scale refers to ISO 4586-2:2018(E) Clause 30.7, as follows:

Appearance rating	Description
5	No visible change.
4	Slight change of gloss and/or colour, only visible at certain viewing angles.
3	Moderate change of gloss and/or colour.
2	Marked change of gloss and/or colour.
1	Surface distortion and/or blistering.

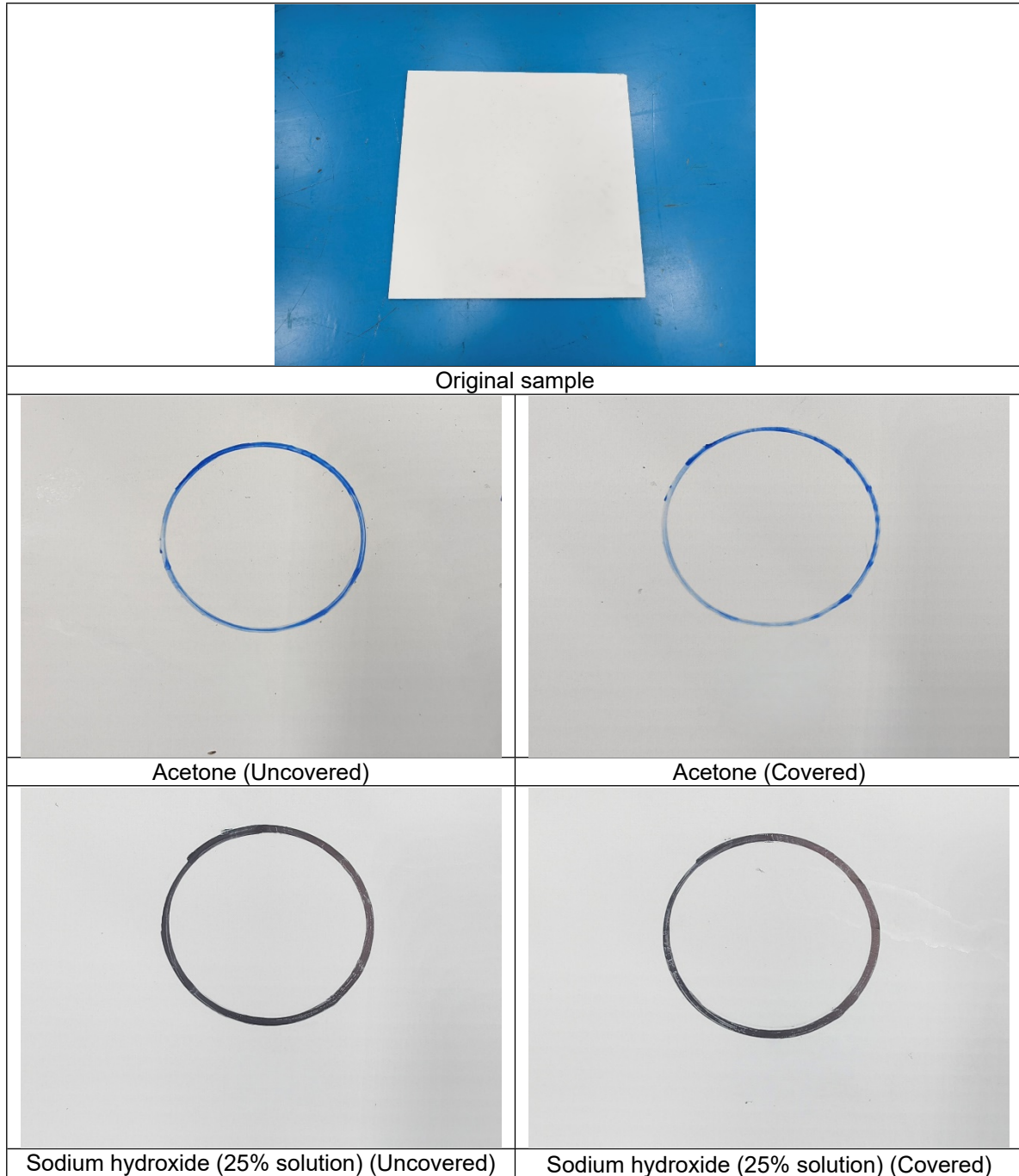


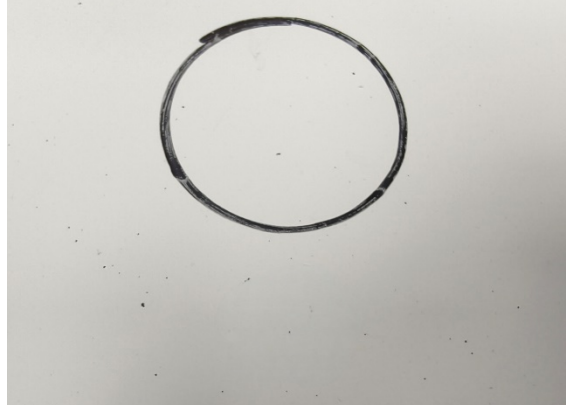

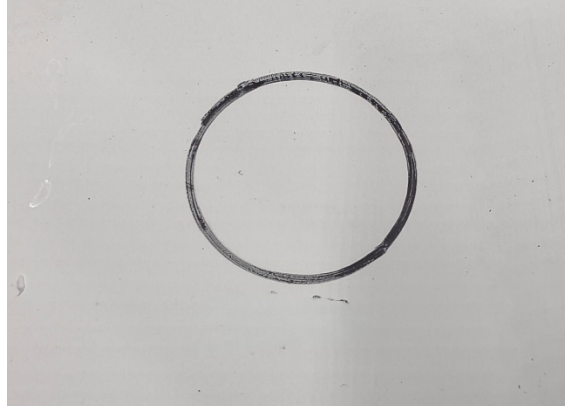
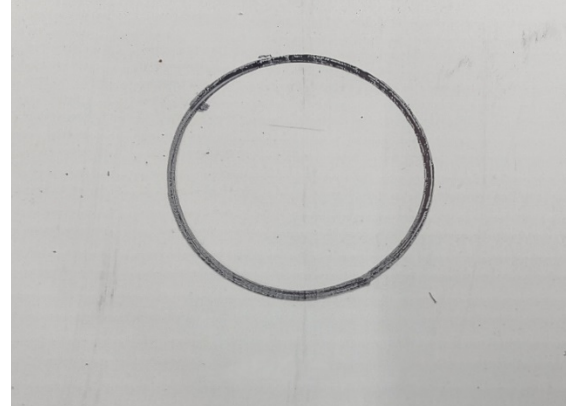
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Photo Appendix:



	
Hydrogen peroxide (30% solution) (Uncovered)	Hydrogen peroxide (30% solution) (Covered)
	
Shoe polish (Uncovered)	Shoe polish (Covered)

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2. Test item: Micro-scratch resistance

Test method: EN 16094-2021(E) Procedure B

Test condition:

Scrub material: Medium fine

Total load mass: (413 ± 2) g






Speed: 48 rev/min

Number of rubs: 160 rubs

Test result:

Appearance	Resistance class	Conclusion
No visible scratches	MSR-B1	/

Note: According to the standard EN 16094-2021(E) Table B.1, the grade classification is as follows:

Resistance class	Scratch picture	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



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3. Test item: Resistance to artificial weathering (Exterior grade laminates)

Test method: ISO 4586-2:2016 Clause 35 & ISO 4892-2:2013/Amd.1:2021 Cycle 1 & ISO 105-A02:1993

Cor2:2005

Test conditions:

Test cycle: ISO 4892-2:2013 cycle 1

Irradiance: $(0.51 \pm 0.02)W/(m^2 \cdot nm)$ @340nm

102 min light at $(65 \pm 3)^{\circ}C$ BST, $(50 \pm 10)\%$ RH

18 min light and water spray

Filter: Daylight-Q

Exposure period: 1500h

Test Result:

Sample	Appearance Rating
A	4

Note:

According to ISO 4586-2:2016 Clause 35, the Appearance Rating was determined under the D65 standard light, with the following rating scale:

- Rating 5: No visible change.
- Rating 4: Change of gloss only.
- Rating 3: Hairline surface cracks and/or erosion of surface.
- Rating 2: Surface cracks.
- Rating 1: Blistering and/or delamination.

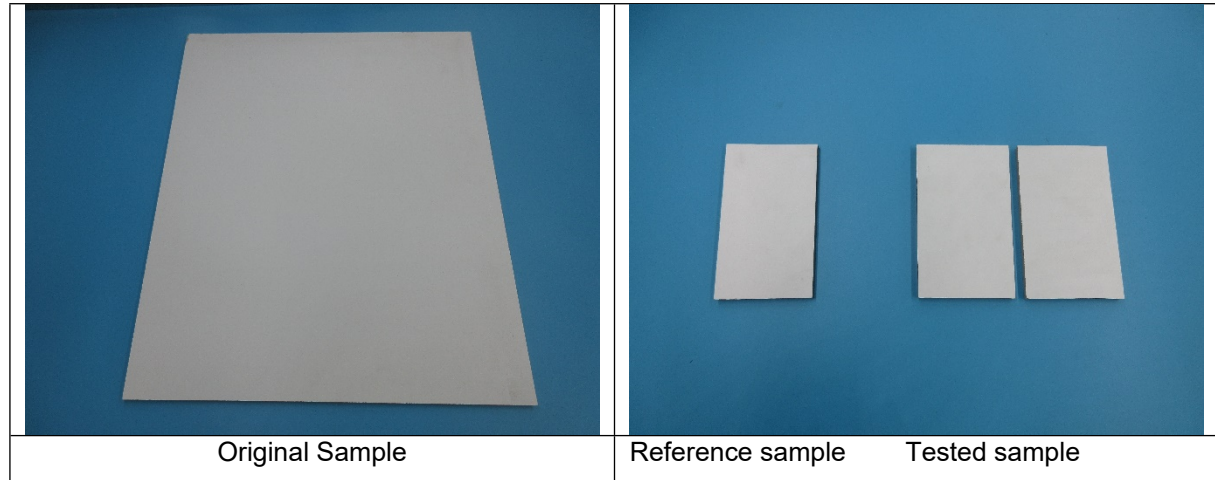


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Photo Appendix:



End of Report



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