



中国认可
国际互认
检测
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CNAS L4350



Inspection and Testing Report

Report No.: GT226-260434

Sample Name: Water-based Polyurethane Coating

Model/Specifications: –

Client: Shanghai Taifeng Industrial Development Co., Ltd.

Inspection Category: Routine Sample Submission

Shanghai Jianke Inspection, Testing, and
Certification Co., Ltd. National Quality Inspection
and Testing Center for Construction Engineering
Materials





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National Construction Engineering
Materials Quality Inspection and Testing
Center Inspection and Testing Report

Inspection Category: General
Sample Submission

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Commission Number: GT22-260384	Client: Shanghai Taifeng Industrial Development Co., Ltd.	Contact Information	15900904298
Address	No. 632, Wang'an Road, Waigang Town, Jiading District, Shanghai	Date of Entrustment	June 22, 2026
Sample Name	Water-based Polyurethane Coating	Sample Number	GT22-260384-01
Manufacturer	Guangde Taifeng New Environmental-Friendly Coatings Factory	Date of Manufacture	-
Model and Specifications	-	Lot Number	-
Number of Samples	Primer A: 0.5 kg, Primer B: 2.5 kg; Water-based Polyurethane Coating A: 2.5 kg, Water-based Polyurethane Coating B: 0.5 kg	Representative Quantity	-
Supplier Mark	-	Sample Arrival Date	June 22, 2026
Sample Status	Primer A: Colorless, transparent liquid; Primer B: White liquid; Water-based polyurethane coating A: Colorless, transparent liquid; Water-based polyurethane coating B: Milky white liquid		
Basis for Evaluation	GB/T 22374-2018 "Floor Coating Materials"		
Test Date	June 26, 2026 - July 22, 2026	Issuance Date	July 28, 2026
Inspection Location	568 Shenfu Road, Shanghai		
Test Results	The tested items for this sample comply with the technical specifications for water-based topcoats specified in GB/T 22374-2018 (excluding items not subject to evaluation); pencil hardness was tested in accordance with GB/T 6739-2022; the cross-cut test was conducted in accordance with GB/T 9286-2021; the comprehensive stain resistance of interior wall paint coatings was tested in accordance with GB/T 9780-2013. The test results are provided on the summary page.  Testing Agency Seal		
Note Notes	-		

Approved by: Hu Xiaozhen

胡晓珍

Reviewed by: Qian Jingjing

钱晶晶

Wang Xiaohua

小王

Prepared by: Chen Qizhen

陈启珍

**Shanghai Jianke Inspection, Testing, and
Certification Co., Ltd.**
**National Construction Engineering
Materials Quality Inspection and Testing
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Test Category: Routine Sample Submission

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Summary of Test Results					
No.	Test Item		Standard Value	Test Results	Item Interpretation
1	Comprehensive Stain Resistance of Interior Wall Paint Coatings		—	88	—
2	State in the container		After stirring, the mixture is uniform and free of lumps	After stirring, the mixture is uniform, with no lumps	Pass
3	Appearance of the Coating Film		The surface is smooth, with no visible defects such as pinholes, color floating, mottling, wrinkling, pinholes, or cracking	Surface is smooth, with no visible pinholes, color floating, mottling, wrinkling, pinholes, or cracks	Pass
4	Drying time	Surface dry, h	≤8	<8	Pass
		Full cure, h	≤48	<48	Pass
5	Abrasion resistance (750 g/500 r), g		≤0.050	0.042	Pass
6	Slip resistance (dry friction coefficient)		≥0.50	0.58	Pass
7	Water Resistance (168 h)		No blistering or peeling; slight discoloration permitted, which recovers after 2 hours slight discoloration; recovers after 2 hours	No bubbling, no peeling, no discoloration	Pass
8	Chemical Resistance	Alkali resistance (20% NaOH, 72 h)	No blistering or peeling; slight discoloration permitted	No bubbling, no peeling, no discoloration	Pass
		Acid resistance (10% H ₂ SO ₄ , 48 h)	No blistering or peeling; slight discoloration permitted	No bubbling, no peeling, no discoloration	Pass
		Oil resistance (120# solvent, 72 h)	No blistering or peeling; slight discoloration permitted slight discoloration	No bubbling, no peeling, no discoloration	Pass
9	Volatile Organic Compound (VOC) Content, g/L		≤120	115	Pass
10	Pencil Hardness	Scratched	—	4H	—

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Test Category: Regular Sample Submission

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Summary of Test Results					
No.	Test Item	Standard Value	Test Results	Test Method	Item Interpretation
11	Grid Test, Grade	—	0	GB/T 9286-2021	—
Explanation		At the request of the commissioning entity: 1. Mixing ratio (by mass): Primer A:B = 1:5. Water-based polyurethane coating A:B = 1:4. 2. Item No. 1 shall be tested in accordance with GB/T 9780-2013 "Test Method for Stain Resistance of Architectural Coatings." — Sample Preparation: Apply two coats of the primer at a coverage rate of 0.07 kg/m ² per coat, with a 4-hour interval between coats. Allow at least 12 hours to elapse after the second coat before applying the water-based polyurethane coating. The remaining test samples consist of the water-based polyurethane coating. 3. Items 2-9 shall be evaluated in accordance with the requirements for water-based topcoats specified in GB/T 22374-2018. 4. Item No. 10 shall be tested in accordance with GB/T 6739-2006, "Determination of Film Hardness of Paints and Varnishes by the Pencil Test." — Sample preparation shall be conducted in accordance with the requirements for water-based topcoats specified in GB/T 22374-2018. — Pencil grade and manufacturer: Uni, manufactured by Mitsubishi Pencil Co., Ltd. 5. Item No. 11 shall be tested in accordance with GB/T 9286-2021, "Cross-Cut Test for Paints and Varnishes." — Grid spacing: 2 mm. Method for removing loose coating: brushing. — Sample preparation: Substrate: asbestos-free fiber cement board; one coat of 80-grit sandpaper, cured for 7 days. (End of this report)			

Contact Information: 568 Shenfu Road, Shanghai (Zip Code: 201108) 021-54425641 / 54425584

JC/BG 6-043-2026

Note Statement: 1. If the commissioning entity has any objections to the above test results, please raise them within fifteen days of receiving this report.

2. No part of this report may be reproduced without the consent of this institution.
3. This institution is not responsible for verifying the authenticity of the information regarding the samples or the client's company provided by the client.
4. The client shall properly safeguard the report and bear full liability for any losses resulting from information leaks due to improper safekeeping.
5. The test results are valid only for the specific samples submitted.

