

Test Report



A Z U M A
H O N G K O N G

CORROSION RESISTANCE

TO THE REQUIREMENTS OF AS 2331.3

CLIENT – ZHEJIANG KUNYU WIREMESH CO., LTD

PRODUCT – AKZO NOBEL POWDER COATING

SECURITY SCREEN IN SUS316 MESH

11 0.8MM WIRE DIA

AZHK230218

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Test results in this report are relevant only to the sample tested.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National standard

1 Reference Standard

- AS2331.3.1: 2001(R2017) Methods of test for metallic and related coating Method 3.1: Corrosion and related property tests – Neutral salt spray test (NSS test)

2 Test Summary

Manufacturer: ZHEJIANG KUNYU WIREMESH CO., LTD
Product: AKZO NOBEL POWDER COATING SECURITY SCREEN IN SUS316 MESH
11 0.8MM WIRE DIA
Model No.: SECURITY SCREEN IN SUS316 MESH 11 0.8MM WIRE DIA
Test Period: 28/02/2023 to 08/05/2023
Sample Received Date: 27/02/2023

Have been tested in accordance with AS2331.3.1: 2001(R2017)
By Azuma Tested Limited, NATA accredited Testing Laboratory (No. 20513)

Results and comments as detailed below:

Requirement	Compliance
1000 hours Natural Salt Spray Test	Comply

*Test Marked N/A are not applicable to the sample under test

*Test Marked N/T were not applied to the sample under test

3 General Information

Customer	ZHEJIANG KUNYU WIREMESH CO., LTD
Address	Room 1018, 10th Floor, Building 11, No. 88, Yuzhang Road, Shangcheng District, Hangzhou City, Zhejiang Province, China
Azuma Test Number	AZHK230218
Model Number	SECURITY SCREEN IN SUS316 MESH 11 0.8MM WIRE DIA
Test Sample Description	AKZO NOBEL POWDER COATING SECURITY SCREEN IN SUS316 MESH 11 0.8MM WIRE DIA
Sample Dimensions	50mm (L) x 50mm (W) x 1.5mm (H)
Substrate Material	SUS 316
Surface Coating	AKZO NOBEL POWDER COATING
Sample(s) Received in Good Condition	Received in Good Condition
Customer Requirements	Product performs 1000 hours neutral salt spray test

* The above information is provided by the client. Azuma HK does not take liability to the accuracy of this information.

4 Test Results

Neutral Salt Spray Test (NSS)

The test sample shall be exposed to neutral salt spray test in accordance to the classification of AS2331.3.1 and the method AS2331.3.1.

Description of Corrosion Test

- The test sample shall be placed in the calibrated test cabinet at an angle within the limits of 15 -25° to the vertical. The test sample shall be arranged so not to come into contact with the cabinet, exposed to the free circulation of spray, in a way that solution does not drip from test specimens or their support to other test specimens.
- After completion of test, the test samples will be rinsed or dipped gently in clean running water at a temperature not exceeding 40°C and dry them immediately in a stream of compressed air at a pressure not exceeding 200kPa, at a distance of approximately 300mm.

Classification according to AS2331.3.1 and the method AS2331.3.1.

Testing Sample Number	AZHK230218	
Test Machine	AZSBT002	
Test Data		
	Requirement	Result
Test duration	1000 hrs	1000 hrs
Collected Volume	1 mL/h - 2 mL/h	1.34 mL/h
NaCl Solution	50 ± 10 g/L	50 g/L
pH of the collected solution at 25°C	6.5 - 7.2 pH	7.1 pH
Arrangement Angle	15-30° from vertical	20° from vertical
Chamber Temperature	35 ± 2 °C	35 °C
Result	Comply	

Inspection Result

Duration	Observation
24 Hours	No Observable Change
48 Hours	No Observable Change
72 Hours	No Observable Change
96 Hours	No Observable Change
168 Hours	No Observable Change
240 Hours	No Observable Change
480 Hours	No Observable Change
720 Hours	No Observable Change
1000 Hours	No Observable Change

5 Appendix

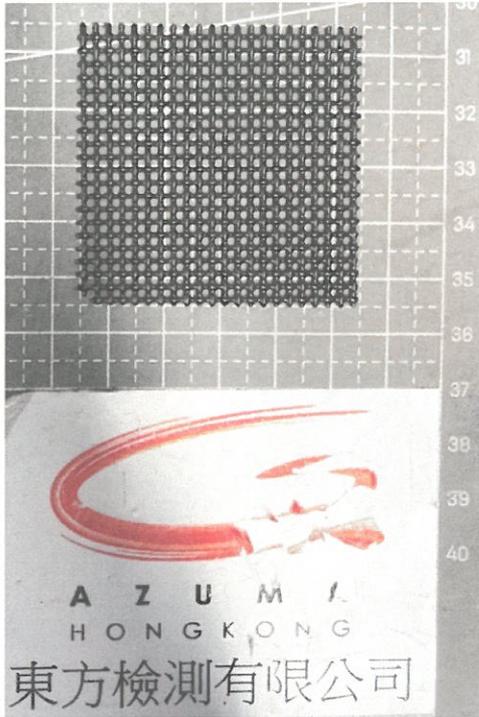


Figure 1 Sample Received Image

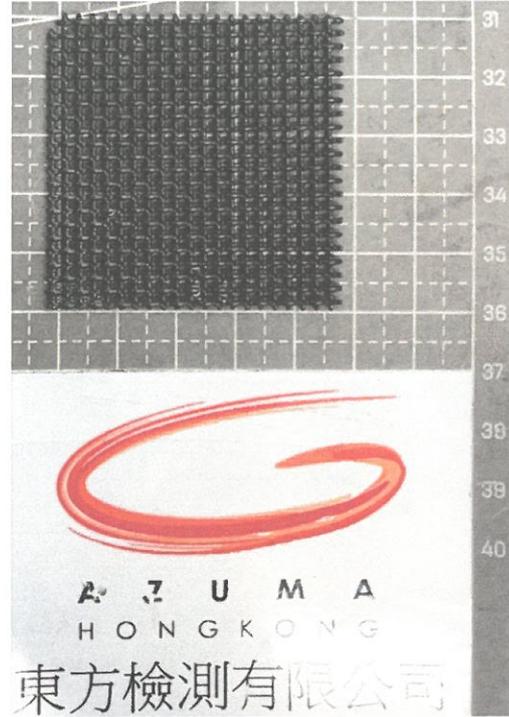


Figure 2 Sample After Test

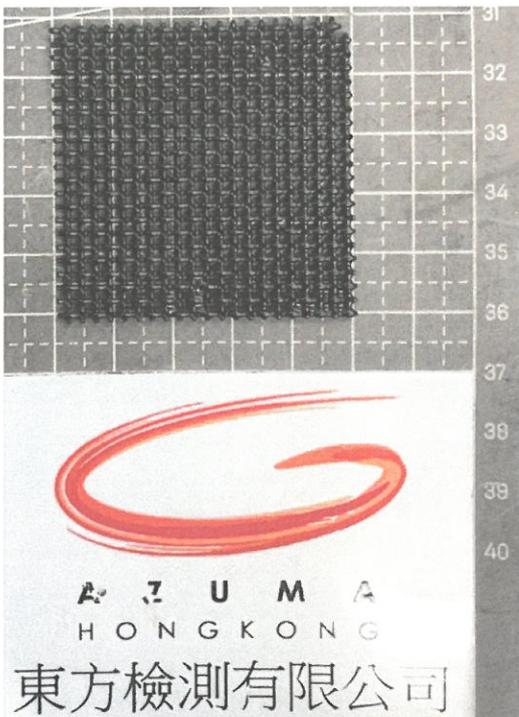


Figure 3 Other Sides of Sample After Test



6 Signatories

Tested By: **Lok Cheung**

Signature: _____

Date: **08/05/2023**

Checked By: **Dennis Chu**

Signature: _____

Date: **08/05/2022**



END OF REPORT

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