

SERVICE VERIFICATION REPORT

Salt Spray Test Galvalume

11 September 2024

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1. GENERAL INFORMATION

Service Request by:	Bapak Nanang	Prepared by:	Endras Haryo Caksono
Request Date:	26 August 2024		
Customer:	PT. Tata Metal Lestari	Departement:	Research and Development
Departement:	Marketing		
Request Serial No.:	Special	Prepared Date:	29 August 2024

2. SERVICE REPORT

Objective	Salt Spray Testing (ASTM B117 and ASTM D601) 288 hours on Galvalume Panels that has been coated Thin Organic Coating.														
Test Equipment	<table border="1"> <thead> <tr> <th>Name</th> <th>Brand</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td>Galvalume Panels</td> <td>Nexalume</td> <td></td> </tr> <tr> <td>Thin Organic Coating</td> <td></td> <td></td> </tr> <tr> <td>Salt Spray Test Chamber</td> <td>Dongguan Lixian Instrument Scientific (China)</td> <td>HZ-2001</td> </tr> </tbody> </table>			Name	Brand	Model	Galvalume Panels	Nexalume		Thin Organic Coating			Salt Spray Test Chamber	Dongguan Lixian Instrument Scientific (China)	HZ-2001
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Galvalume Panels	Nexalume														
Thin Organic Coating															
Salt Spray Test Chamber	Dongguan Lixian Instrument Scientific (China)	HZ-2001													
Procedure	<ol style="list-style-type: none"> Prepared galvalume panels which has been coated Thin Organic Coating Prepared SST chamber and set timer for 288 hours Put galvalume panels into SST chamber and run for 288 hours 														

Test Method/Specification

ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus

ASTM D610 Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces

Salt Solution : 5% NaCl solution

pH of Solution : 6.5-7.2

Temperature : 35±2°C

Quantity of Fog : 1.0-2.0 ml/ 80 cm²/ hours

Exposing Duration : 288 hours

Test Result

Result of Salt Spray Test

No	Sample	Black Rust (%)
		288 Hours
1	CL23-183101 1.20 G300 AZ-150	6-G 1% (PASS)

Rust Distribution Types:

1. S: Spot Rusting--Spot rusting occurs when the bulk of the rusting is concentrated in a few localized areas of the painted surface.
2. G: General Rusting--General rusting occurs when various size rust spots are randomly distributed across the surface
3. P: Pinpoint Rusting--Pinpoint rusting occurs when the rust is distributed across the surface as very small individual specks of rust.

(ASTM D610-Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces)

1. CL23-183101 1.20 G550 AZ-150


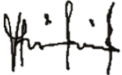


Before SST



After SST 288 hours

3. REPORT COMPLETION APPROVAL

	Name	Signature	Date
RnD	Endras Haryo		11 September 2024
Marketing/Sales	Periyanto		11 September 2024