

# SERVICE VERIFICATION REPORT

Salt Spray Test Galvalume

11 September 2024

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## 1. GENERAL INFORMATION

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

## 2. SERVICE REPORT

<b>Objective</b>	Salt Spray Testing (ASTM B117 and ASTM D601) 240 hours on Galvalume Panels that has been coated Thin Organic Coating.														
<b>Test Equipment</b>	<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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Salt Spray Test Chamber	Dongguan Lixian Instrument Scientific (China)	HZ-2001													
<b>Procedure</b>	<ol style="list-style-type: none"> <li>Prepared galvalume panels which has been coated Thin Organic Coating</li> <li>Prepared SST chamber and set timer for 240 hours</li> <li>Put galvalume panels into SST chamber and run for 240 hours</li> </ol>														

**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 cm<sup>2</sup>/ hours

Exposing Duration :                      240 hours

**Test Result**

Result of Salt Spray Test

No	Sample	Black Rust (%)
		240 Hours
1	<b>CL23-183101</b> <b>1.20 G300 AZ-150</b>	7-G 0.3% (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


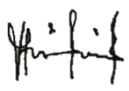


**Before SST**



After SST 240 hours

### 3. REPORT COMPLETION APPROVAL

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