



Neutral Salt Spray Test Report

ISSUED BY: DuBois Chemicals Australia P/L

ACCREDITATION NO: 20912

Accredited for compliance with ISO/IEC 17025 - Testing

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DuBois Chemicals Australia P/L – Engineering and Surface Coating Materials – NSW Analytical Services

10 York Road, INGLEBURN NSW 2565, AUSTRALIA

Telephone 02 9605 2233 ABN 95 627 425 825

1. CLIENT INFORMATION

Client Company: Roof Extenda Pty Ltd
13/5 Speedwell St
Somerville 3912

Phone: 03 5978 8755

Order/Invoice No: Q54566

Client Reference No:

2. TEST PERFORMED

Neutral Salt Spray to ASTM B117 performed on parts provided to meet the performance requirements as specified by customer. Test conditions were as specified in ASTM B117, and no deviations were noted. Test results only relate to the specific parts tested and the extrapolation of these test results to other parts is outside the scope this test as provided.

3. PART DESCRIPTION

Part Description: 3 x Plates

Part Identification: 1 x Zinc Galvanised Coating
1 x Zinc Electroplate Coating
1 x Zinc Nickel Electroplate Coating

4. TEST RESULTS

Date of Report: 4/10/24

Internal Sample No: S-240098

Test Commenced: 23rd August 2024 @ 8.00 am

Test Completed: 4th October 2024 @ 8.00 am

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Additional Test Notes:

4. TEST RESULTS CONTINUED

Test: The parts were subjected to 1000 hours in the Neutral Salt Spray chamber.
The panels were inspected at 250 hour intervals, rinsed in deionised water at completion of test.

Observations: After 250 hours:

- The Zinc Galvanised sample had formed white corrosion on the face of the plate, minor red corrosion forming at top edge.
- The Zinc Electroplate sample had formed white corrosion on the face of the plate.
- The Zinc Nickel Electroplate sample had white staining which is typically the passivate coating. White corrosion was minimal.

After 500 hours:

- The Zinc Galvanised sample had increased in white corrosion on the face of the plate, minor red corrosion at top edge.
- The Zinc Electroplate sample had increased in white corrosion on face of the plate, with minor red corrosion forming in top corner and bottom of plate.
- The Zinc Nickel Electroplate sample had no significant change.

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After 750 hours:

- The Zinc Galvanised sample had increased in white corrosion on the face of the plate, red corrosion at top edge.
- The Zinc Electroplate sample had increased in white corrosion on face of the plate and increased with red corrosion forming in top corner and bottom of plate.
- The Zinc Nickel Electroplate sample increase in white staining, the white corrosion is minimal.

After 1000 hours:

- The Zinc Galvanised sample was covered in white corrosion, minor red corrosion was beginning to come through coating.
- The Zinc Electroplate sample had white corrosion and red corrosion on the face of the plate.
- The Zinc Nickel Electroplate sample had no significant white corrosion or red corrosion present. White staining was evident.

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Concluding Remarks: Zinc Nickel Electroplate outperformed the Zinc Galvanising and Zinc Electroplate samples. Photos Below.

6. AUTHORISATION

Report Number: S-240098 Issue 1 Amendment 0

Lead Analyst: Shane McInnes – Tech Sales

Report By: Shane McInnes – Tech Sales
Authorised signatory

This test report was prepared by DuBois Chemicals Australia P/L (DCA) for the Client listed in Section 1 and is not to be modified in any manner without the express written consent of DCA. Copies of this report, electronic or otherwise, are not official unless authenticated and signed by an Authorised Signatory of DCA. Neither DCA nor any person acting in its behalf (a) makes any warranty, express or implied, with respect to the use of any information or methods disclosed in this report or (b) assumes any liability with respect to the use of any information or methods disclosed in this report. Any recipient of this document, by their acceptance or use of this document, releases DCA and their affiliates from any liability for direct, indirect, consequential or special loss or damage whether arising in contract, warranty, express or implied, tort or otherwise, and irrespective of fault, negligence and strict liability.

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Top Zinc Galvanising – Middle Zinc Electroplate – Bottom Zinc Nickel Electroplate @ 250 hours.



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Top Zinc Galvanising – Middle Zinc Electroplate – Bottom Zinc Nickel Electroplate @ 500 hours



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Top Zinc Galvanising – Bottom Zinc Electroplate @ 1000 hours



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Zinc Nickel Electroplate @ 1000 hours

