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Test Report

Number 2011000193 Date 09/03/2011 Page 1 of Issue 1 3

A/C No: M114

Our Ref: GBW

Tested For:-

T I MIDWOOD & COMPANY LIMITED Green Lane Wardle Nantwich Cheshire CW5 6BJ

SALT SPRAY TESTING OF TIMCO FIRMAHOLD COLLATED NAIL SAMPLES

INTRODUCTION

The finished samples were submitted to the laboratory for Salt Spray Corrosion Resistance Testing in accordance with the relevant specification.

RELEVANT INFORMATION

Description:	Timco Firmahold Collated Nail Samples
Finish:	Zinc Firmagalv Coating
Specification:	Salt Spray Test in accordance with ASTM.B117-09
Test Duration:	168 hours Exposure
Submitted By:	Peter Owen
Customer's Order No:	4218
Sample Receipt Date:	28/02/2011

RESULTS

Salt Spray Test (ASTM B117-09 / BS EN ISO 9227:2006 / DIN.50.021-SS)

The samples were exposed to a neutral 5% Salt Spray for a test period of 168 hours.

Examination after every 24 hours revealed the following observations:-

24 Hours

The samples showed evidence of significant white zinc corrosion on the heads.

REPORT COMPILED BY

G B Withers **Corrosion Science** **REPORT APPROVED BY**

G B Withers **Corrosion Science** Technician

Technician TESTS MARKED "NOT UKAS ACCREDITED" IN THIS REPORT/CERTIFICATE ARE NOT INCLUDED IN THE UKAS ACCREDITATION SCHEDULE FOR OUR LABORATORY. TESTS MARKED 'SC' HAVE BEEN SUBCONTRACTED OPINIONS AND INTERPRETATIONS EXPRESSED HEREIN ARE OUTSIDE THE SCOPE OF UKAS ACCREDITATION THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.

RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED

<u>48 – 96 Hours</u>

The samples showed evidence of total white zinc corrosion on the heads.

168 Hours

The samples showed evidence of significant red ferrous corrosion on the heads.

CONCLUSION

The finish applied to the Timco Firmahold Collated Nail Samples tested, <u>withstood</u> 168 hours Salt Spray Test without the formation of red ferrous corrosion on the head components.

End of Text

<u>Fig 1</u>



The photograph showing the condition of the Timco Firmahold Collated Nail Samples after 168 hours Salt Spray Test