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## Test Report

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A/C No: M114

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  
Technician

REPORT APPROVED BY



G B Withers  
Corrosion Science  
Technician

48 – 96 Hours

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, **withstood** 168 hours Salt Spray Test without the formation of red ferrous corrosion on the head components.

**End of Text**

Fig 1



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