

Our Ref: GBW Number 18-03619 Issue 1 Date 20/03/2018 Page 1 of 4

A/C No: M114

Tested For:-

T I MIDWOOD & COMPANY LIMITED
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SALT SPRAY TESTING OF ZINC PLATED SCREW 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: 12 off. Timco Solo Woodscrew Samples
Finish: Zinc Plated / Steel Substrate
Specification: Salt Spray Test in accordance with BS EN ISO 9227:2012
Test Duration: 120 Hours Salt Spray Exposure
Submitted By: Cris Tonks
Customer's Reference No: SON0473750
Sample Receipt Date: 13/03/2018

RESULTS

Salt Spray Test (BS EN ISO 9227:2012)

The photograph in fig 1 is showing the as received condition of samples prior to test, the samples were exposed to a neutral 5% Salt Spray, for a test period of 120 hours, with examinations after every 24 hours revealed the following observations:-

REPORT
COMPILED BY



G B Withers

Corrosion Science Technician

REPORT
APPROVED BY



G B Withers

Corrosion Science 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.
RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED
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

Timco Solo Woodscrew Samples**24 – 48 Hours**

The samples showed evidence of total white corrosion product, (see photograph after 24 hours).

120 Hours

The samples showed evidence of very slight to significant red ferrous corrosion on seven samples, the other samples showed total white corrosion product, the samples were removed from test, (see photograph after 120 hours).

COMMENTS

There are no pass or failure criteria defined within the standard in relevant information, this is a matter of agreement between the parties concerned.

The Timco Solo Woodscrew Samples tested, first showed evidence of the formation of red ferrous corrosion after 120 hours salt spray test.

End of Text



FIG 1: The photograph is showing the condition of the Timco Solo Woodscrew Samples prior to salt spray test



FIG 2: The photograph is showing the condition of the Timco Solo Woodscrew Samples after 24 hours salt spray test



FIG 3: The photograph is showing the condition of the Timco Solo Woodscrew Samples after 120 hours salt spray test