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Test
Report

Our Ref: GBW Number 137009 Issue 1 Date 22/05/2015 Page 1 of 4

A/C No: T004

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SALT SPRAY TESTING OF YELLOW POWDERCOAT TUBE SAMPLE

INTRODUCTION

The finished sample was submitted to the laboratory for Salt Spray Testing in accordance with the relevant specification.

RELEVANT INFORMATION

Description: 1 off. 33.7 x 250mm Tube Sample
Finish: Yellow Polyester Powdercoat / Zn Primer / Steel
Specification: Salt Spray Test in accordance with ASTM B117-11
Test Duration: 216 Hours Exposure
Submitted By: Phil Higgs
Purchase Order No.: STD419474
Sample Receipt Date: 12/05/2015


RESULTS

Salt Spray Test (ASTM B117 -11)


The photographs in fig 1 & 2 are showing the tube sample prior to test, the tube sample was then exposed to a neutral 5% Salt Spray for a test period of 216 hours, examinations after every 24 hours, revealed the following observations:-

Pre – Test Assessment showed a number of seeds on the surface finish.

REPORT COMPILED BY


G B Withers
Corrosion Science
Technician

REPORT APPROVED BY


G B Withers
Corrosion Science
Technician

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RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED.

33.7 x 250mm Tube Sample**24 – 168 Hours**

The tube sample showed no evidence of corrosion or deterioration of the finish (see photograph after 216 hours).

192 – 216 Hours

The tube sample showed evidence of one spot of red ferrous corrosion adjacent to the end cap, no other part of the tube sample showed evidence of corrosion or deterioration of the finish (see photographs after 216 hours).

COMMENTS / CONCLUSION

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 finish applied to the 33.7 x 250mm Tube Sample tested, **withstood** 216 hours Salt Spray Test requirement without significant breakdown.

END OF TEXT



Fig 1: Photograph showing the condition of the 33.7 x 250mm Tube Sample prior to Salt Spray Test



Fig 2: Photograph showing the condition of the 33.7 x 250mm Tube Sample



Fig 3: Photograph showing the condition of the 33.7 x 250mm Tube Sample after 216 hours Salt Spray Test

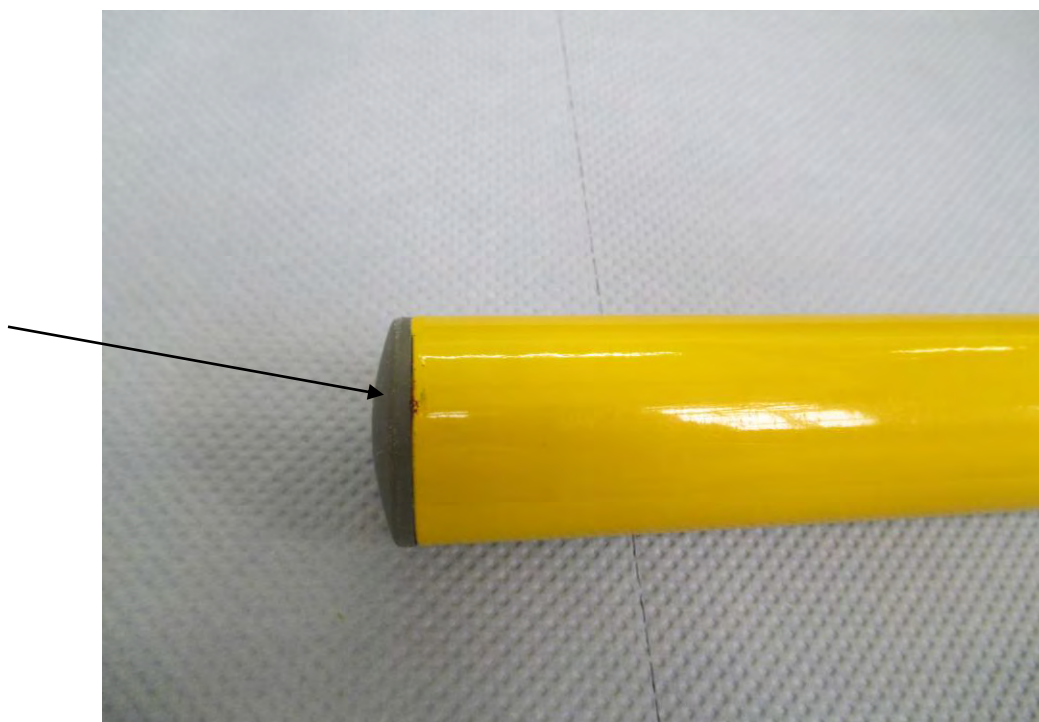


Fig 4: Photograph showing the condition of the 33.7 x 250mm Tube Sample after 216 hours Salt Spray Test (corrosion spot)