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A/C No: K012

Tested For:-

A KENRICK & SONS LTD
Kenrick Way
West Bromwich
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SALT SPRAY TESTING OF DOOR HARDWARE SAMPLE

INTRODUCTION

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

RELEVANT INFORMATION

Description: 1 off. White Handle Sample
Finish: White Powdercoat / Zn Die Cast Substrate

Specifications: Salt Spray Test in accordance with BS EN ISO 9227:2012 & BS EN 1670:2007

Test Duration: 480 – 1008 Hours Exposure

Submitted By: Brian Corbett & Tracey Fletcher
Customer's Order No: 8047
Sample Receipt Date: 24/01/2019

Salt Spray Test (BS EN ISO 9227:2012)

The photograph in fig 1 is showing the as- received condition of the sample prior to test, the sample was then exposed to a neutral 5% Salt Spray for a test period of 480 – 1008 hours with examinations after every 24 hours, revealed the following observations:-

White Handle Sample

24 – 192 Hours

The sample showed no evidence of corrosion product or blistering, (see photograph after 96 hours).

REPORT
COMPILED BY



G B Withers

Corrosion Science Technician

REPORT
APPROVED BY



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Corrosion Science Technician

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TESTS MARKED "SC" HAVE BEEN SUBCONTRACTED.
RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED
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264 – 360 Hours

The sample showed no evidence of corrosion product or blistering, (see photograph after 264 hours).

432 – 528 Hours

The sample showed no evidence of corrosion product or blistering, (see photograph after 480 hours).

600 – 696 Hours

The sample showed an isolated small corrosion spot (1.0mmØ) from the top of the handle.

768 - 864 Hours

The sample showed an isolated small corrosion spot (1.0mmØ) from the top of the handle.

936 - 1008 Hours

The sample showed 1 x small corrosion spot (3.0mmØ) leaching white corrosion product / staining from the top and a slight amount small corrosion spots (0.5mmØ) over the sample, (see photographs after 1008 hours).

CONCLUSION

The finish applied to the White Handle Sample (Appearance) tested, **satisfied** 480 hours Salt Spray Test Requirement to British Standard Specification, BS EN.1670:2007, Grade 5.

END of TEXT

FIG 1



Photograph showing the condition of the White Handle Sample prior to Salt Spray Test

FIG 2



Photograph showing the condition of the White Handle Sample after 96 hours Salt Spray Test

FIG 3



Photograph showing the condition of the White Handle Sample after 264 hours Salt Spray Test

FIG 4



Photograph showing the condition of the White Handle Sample after 480 hours Salt Spray Test

FIG 5



Photograph showing the condition of the White Handle Sample after 480 hours Salt Spray Test

FIG 6



Photograph showing the condition of the White Handle Sample after 1008 hours Salt Spray Test