

Our Ref: GBW Number 19-01187-4 Issue 1 Date 08/03/2019 Page 1 of 6

A/C No: K012

Tested For:-

A KENRICK & SONS LTD
Kenrick Way
West Bromwich
West Midlands
B70 6DB

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. Grey Handle Sample
Finish: Grey Coated / 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:-

Note: Prior to test a small area of damage was noticed on the under neck side of the handle, this area will be highlighted in this test report, however it will not form part of the final assessment.

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

Grey Handle Sample**24 – 192 Hours**

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

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, the damaged area showed slight white corrosion product, (see photograph after 480 hours).

600 – 696 Hours

The sample showed no evidence of corrosion product or blistering, the damaged area showed slight white corrosion product / staining and small blister cluster.

768 - 864 Hours

The sample showed no evidence of corrosion product or blistering, the damaged area showed slight white corrosion product / staining and small blister cluster.

936 - 1008 Hours

The sample showed no evidence of corrosion product or blistering, the damaged area showed slight white corrosion product / staining and small blister cluster, (see photographs after 1008 hours).

CONCLUSION

The finish applied to the Grey 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 Grey Handle Sample prior to Salt Spray Test

FIG 2



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

FIG 3

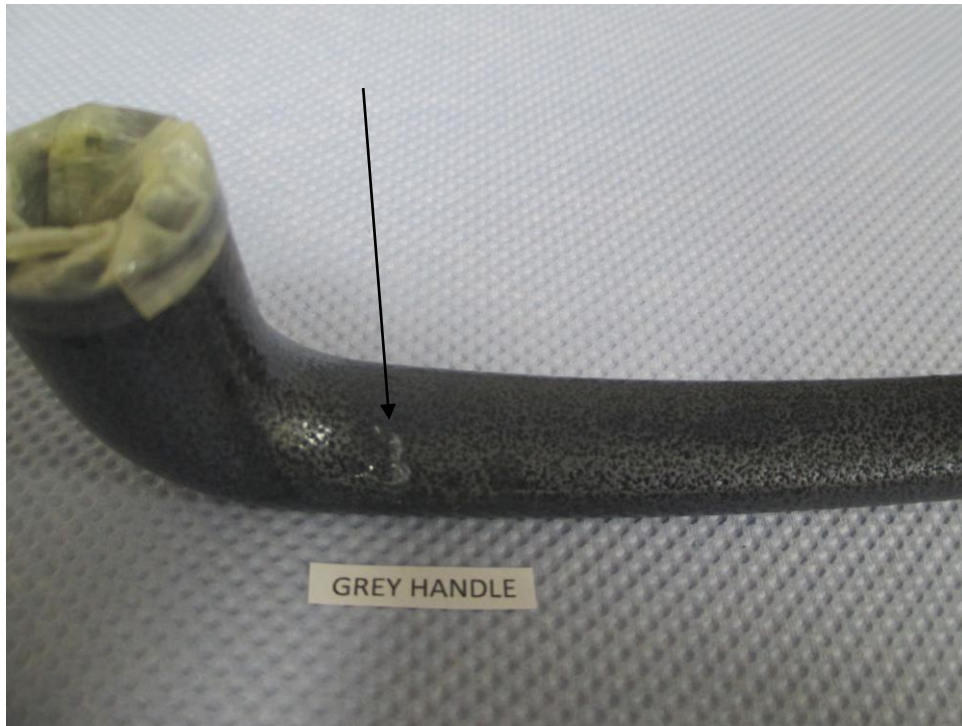


Photograph showing the condition of the Grey Handle Sample after 264 hours Salt Spray Test

FIG 4



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

FIG 5

Photograph showing the condition of the Grey Handle Sample after 480 hours Salt Spray Test
(Damaged area)

FIG 6

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

FIG 7



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

FIG 8



Photograph showing the condition of the Grey Handle Sample after 1008 hours Salt Spray Test (Damaged area)