

Test Report

UV Weathering of DRiBOX Green Model (285) Connection Box Lid

Test Report : MECH/W001902RL001

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TEST REPORT

Report Number: MECH/W001902RL001
Chit Number: ITWI-00000007789
Sample Receipt Date: 19/12/2012
Lab Book Reference: INT0077
File Reference Location: L:\MPP\MECHTPRO\data\Projects\DRiBOX Limited
Number of Samples: 1
Method Reference: BS EN ISO 4892-3: 2006, Cycle 1

Samples Submitted

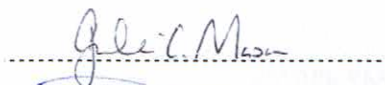
<u>MSG Sample Reference</u>	<u>Sample Description</u>	<u>Customer Identifier</u>
MECH/W001902-1	DRiBOX	Green Model 285

Description of Work Required

UV Weathering of DRiBox Green Model (285) Connection Box Lid.

Report Authorisation

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Date: 21/12/2012

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Date: 21/12/2012

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UV WEATHERING OF A DRIBOX GREEN MODEL (285) CONNECTION BOX LID

1. INTRODUCTION

A green DriBox connection box lid was received from DRiBOX Limited for 48 hours Accelerated Weathering in accordance with BS EN ISO 4892-3: 2006, Cycle 1.

2. EXPERIMENTAL DETAILS

An Atlas UV Test™ Fluorescent UV / Condensation Weathering Machine (serial no. 22656) was fitted with UVA 340 lamps and programmed to cycle continuously 8 hours UV at $60 \pm 3^\circ\text{C}$, followed by 4 hours Condensation (dark) at $50 \pm 3^\circ\text{C}$ for 48 hours. The UV irradiance was calibrated using a radiometer (serial no. 20009400) and controlled at 0.76 W/m^2 at 340 nm throughout the UV portion of the programme. The machine conditions were recorded daily throughout the test.

The rim of the box lid was removed and the upper surface of the lid was mounted facing the light source. Upon completion of the test, the lid was visually assessed for colour change using a Greyscale by compared unexposed and exposed areas. A Greyscale is a series of paired grey coloured swatches which have a perceived colour difference between them corresponding to ratings of 5, 4, 3, 2 & 1 with half-steps i.e 4/5 or 3/2.

3. RESULTS

Specimen	Greyscale Rating	Observations
W1902-1	5	No visual change to exposed surface

Dates of Test: 19th to 21st December 2012.

Note: A Greyscale rating of 5 is given when there is no perceived difference between the exposed and unexposed areas.