AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Product Testing
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TEST REPORT

CLIENT : ACTION CORROSION
3/18 INDUSTRY DRIVE
SOUTH TWEED HEADS NSW 2486

TEST NUMBER : 7-578477-NN
ISSUE DATE : 13/05/2011
PRINT DATE : 13/05/2011

SAMPLE DESCRIPTION Printed circuit boards
A - Coated action clear coat - 3 printed boards
B - No coating - 3 printed boards

BS 2050-1978 Specification for Electrical Resistance of Conductiong and Antistatic Products made from Flexible Polymeric

SECTION A.4.1 Tests on one surface

Temperature: 23 degC
Relative Humidity: 54 %

Electrode Size: 25mm x 25mm
Electrode Material: Aluminium

Electrical Resistance (ohms)

	Sample A	Sample B
Spec 1	<10E06	<10E06
2	<10E06	<10E06
3	<10E06	<10E06
Mean	<10E06	<10E06

Samples were tested without mechanically straining in any way

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AWTA LIMITED

0205/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

ACTION CORROSION
RUST REMOVAL & PROTECTION SPECIALISTS

TEST REPORT

Manufacturer: Action Corrosion Pty Ltd.
3/18 Industry Driver Tweed Heads. NSW. 2487

Test Date 19/11/1

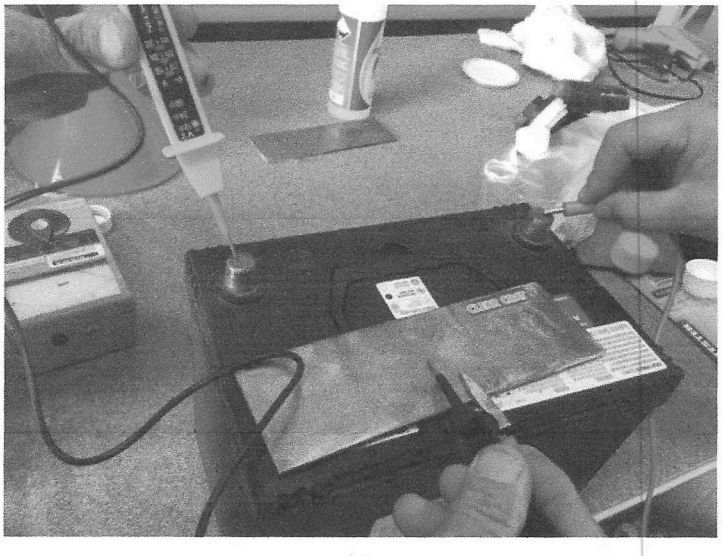
SAMPLE DESCRIPTION 1) 3mm mild steel plate 65 mm x 200mm. A third of the sample plate sprayed with two coats of Action Clear Coat aerosol to form a coating of 25 microns.

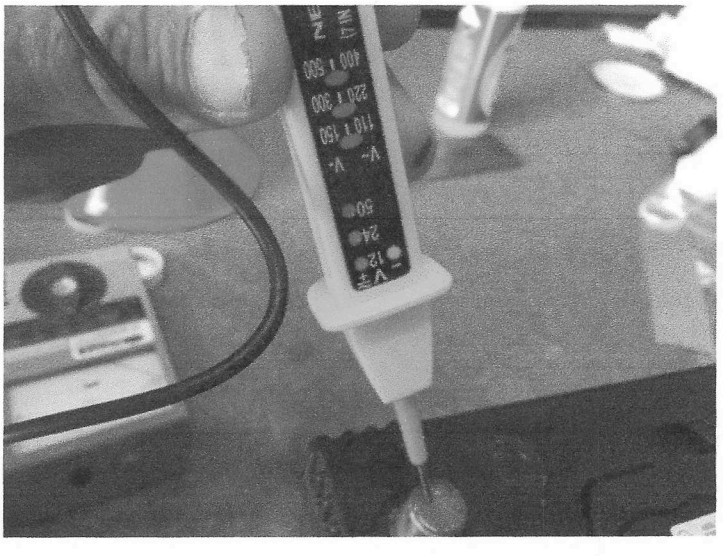
2) 3mm aluminium plate 50mm x 200mm. A third of the sample sprayed with two coats of Action Clear Coat aerosol to form a coating of 25 microns.

SPECIFICATION Testing of electrical conductivity of Action Clear Coat on steel and aluminium samples using a AC/DC Voltage tester.

TEMPERATURE 23 degrees celcius.
HUMIDITY 48%

Sample 1 Mild Steel.
A circuit was created using a fully charged 12 volt battery. Censor probes from the voltage tester were attached to the non-coated surface of the sample plate. The voltage tester illuminated indicating a 12 volt detection.

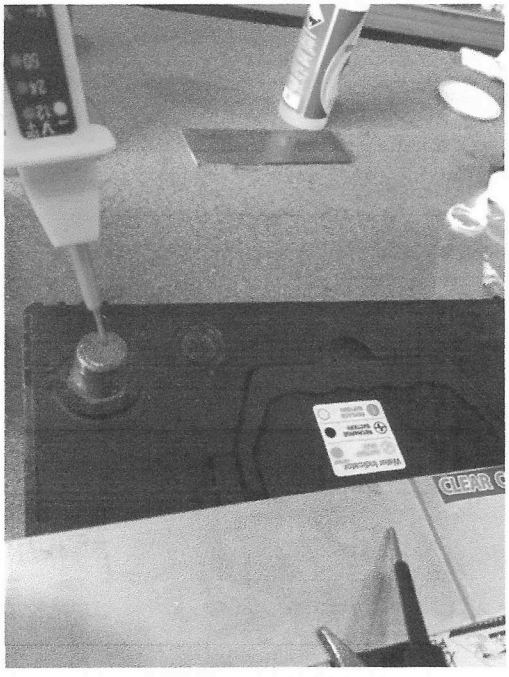




The censor probe was placed on the surface of the same steel plate where the Action Clear Coat had been applied. The Voltage tester did not illuminate indicating there was no current on that surface.

Sample 2 Aluminium.

A circuit was created using a fully charged 12 volt battery. Censor probes from the voltage tester were attached to the non-coated surface of the sample plate. The voltage tester illuminated indicating a 12 volt detection. The censor probe was placed on the surface of the same aluminium plate where the Action Clear Coat had been applied. The Voltage tester did not illuminate indicating there was no current on that surface.



RESULTS

Samples were tested with a 12 volt current. Action Clear Coat was shown to be a non conductive coating when applied at 25 microns (DFT) on aluminium and steel samples.

Present: Michael Ritchie (Action Corrosion)

Present: Josh Burton (Action Corrosion)

Independent: Richard Ferris, Manager, Sigma Aerospace.

Tuesday 24th November, 2015.