

PAINTINGS ASSESSMENTS & INSPECTION

J.&B. Enterprises
ABN : 96 971 997 033

PO Box 62
Coorparoo 4151
Queensland

Mobile : 0418 191 115

Fax : 07 5524 8110

e mail jbtoomath@bigpond.com.au

28 July 2001

THIS REPORT

WAS COMMISSIONED BY

WARWICK LINDSAY

DUCO MAGIC

**TESTS WERE THIRD PARTY AUDITED AT THEIR FACTORY AT
UNIT 5, 20 FORTUNE ROAD GEEBUNG QLD. 4034 ON 17TH JULY 2001**

ACA COATING INSPECTION ACCREDITATION : NO 100

**Blast Coating: Painting Inspections: Assessments: Specifications & Coating Surveys: Contract Management:
Trade Qualifications Assessments: Construction, Metals Industries. TAFE Accredited**

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Paintings Assessments and Inspection have been consulted by DUCO MAGIC to assess their paint repair polish, to third party a 1000 car wash durability test and to report our findings.

The audited wash test preparations are attached to this report.
PAI did not witness this stage of the test.
These procedures were carried out Duco Magic.

Their preparation commenced on the 14th. July 2001.

PAI third party assessment commenced 8.30am 17th July 2001.

Steel Temp. [car surface] 14 deg. C Time 830 am 17/ 7/2001
Air Temp. 17 deg. C
Humidity. 67% Weather: Winter sun. No wind

Dry Film Thickness was measured at four points on each square of the four test areas.

Test sq. 1/ 109um 90um	Test sq. 2/ 88um 94um
106um 93um	94um 98um
Test sq.3/ 119um 95um	Test sq. 4 99um 99um
109um 92um	95um 101um

These test were carried out using a Elcometer 345 F gauge calibrated on a Test block bed [a Non Ferrous Coating Thickness Standard] with a certified Report No 8532 by PCWI who hold NATA accreditation.

Testing was completed to AS/NZ 3894.3 requirements.

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The test wash consisted of-

1/ Two stokes of a car wash sponge, soaked in a commercial detergent car wash mixed to the recommended proportions on the data sheet.

This product was Armorall Car Wash [Detergent] Colour: Blue. Batch No. 38-B2.

2/ Fresh water wash to remove the detergent.

3/ Dry off with a chamois to remove any water

4/ Commence the test again.

These tests were completed in batch's of 200 tests.

Photos were then taken by Duro Magic.

At the completion of five batch's of wash's it was decided to complete an extra 10% or 100 wash's so that a total of 1100 were completed.

Two of Duco Magic personnel carried out the wash tests -

1 doing the detergent wash and -

2 doing the rinse and chamoising.

PAI ticked and numbered each test. [sheets attached to this report.]

Completion Time: 3pm

Steel Temp. 26 deg C

Air Temp 25 deg C

Humidity 52% Weather: Winter sun: No wind.

On the completion of the tests PAI inspected the surface area of the four test areas.

The areas were again measured for Dry Film thickness and NO measurable loss of coating could be established.

[ref to figures for dft on first page of report]

Because of the washing the surrounding area of the test area looked very dull,

Rated Semi Gloss >50% AS/NZ 3894 .8.

The test area rated >75% Gloss. AS/NZ 3894. 8

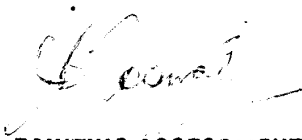
The film colour in the chips, scratches and pin holes remained undamaged and unchanged. EVEN THE COLOUR REMAINED IN PITS OF VERY MINOR PIN HOLES IN COATING. These pin holes were estimated to minus 5 microns in size.

It is extremely difficult to get paints or stains into pin holes and scratches and have it stay there for that period of washing.

The out come of the tests are a very good result for Duco Magic's product.

THE OVERALL TEST ACHIEVED A TOP MARK PASS.

As there are NO AS/NZ Standards or ISO Standards for car polish or car polishing PAI use Australian Standards where ever available. AS/NZ 3893. Site Testing of Protective Coatings was the best for this test.



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ABN 96 971 997 033 23/11/2001.