



MANAGEMENT
ENGINEERING
ENVIRONMENT

CLIENT: Guardian Protective Coatings
PO Box 1108
Bentley DC WA 6983

YOUR REF: Accelerated Weathering Assessment

OUR REF: J/N 61/12579/02

Certificate of Test No. 4042

Sample: Guardian Graffiti Shield

Date Received: 19 March 2003

Date Tested: 22 September 2003

From: Balcatta, WA

Description & Condition: 1 -off 1L container Guardian Graffiti Shield

TEST DESCRIPTION: VISUAL EXAMINATION

Sample Preparation:

Coating system consisted of two coats of Guardian Graffiti Shield. Application was by brush to cellulose cement fibre sheet by GHD (Bentley). Recoating interval was wet on wet. Test piece(s) cured at 23±2°C for 7 days prior to test.


Tested By
Nhu Nguyen
Chemist

24/09/03
Date


Approved Signatory
Andrew Peek
Principal Materials Scientist

24/9/03
Date

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Test Method:

Test piece(s) exposed to accelerated weathering for 2000 hours in general accordance with ASTM D 4587-1991 "Conducting Tests on Paint and Related Coatings and Materials Using a Fluorescent UV-Condensation Light- and Water-Exposure Apparatus" and ASTM G 154-2000a "Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials."

Apparatus used was The Q-Panel Company's Accelerated Weathering Tester, Model QUV equipped with UVA-340 lamps, using a cycle of 8 hours UV/60 °C and 4 hours CON/45 °C.

Test piece(s) were then assessed visually for condition in accordance with AS1580.481.0-2003 "Coatings-Guide to assessing paint systems exposed to weathering conditions", where applicable, at 2000 hours of exposure.



Test Results:

GHD Laboratory Number: P23573
Client Identification: Guardian Graffiti Shield
Exposure Time: 2000 hours

Standard Number and Description	Results
AS 1580.481.1.2:1998 Discolouration	0
AS 1580.481.1.3:1998 Degree of Dirt Collection	0
AS 1580.481.1.4:1998 Degree of Dirt Retention	0
AS 1580.481.1.5:1999 (Clause 7.2) Visual Method – Change in Gloss	Not Applicable
AS 1580.481.1.6:1998 (Clause 7.3) Visual Method – Degree of Erosion	0
AS 1580.481.1.7:1998 Degree of Checking	0
AS 1580.481.1.8:1998 Degree of Cracking	0
AS 1580.481.1.9:1998 Degree of Blistering	0
AS 1580.481.1.10:1998 Degree of Flaking and Peeling	0
AS 1580.481.1.11:1998 Degree of Chalking	2-3
AS 1580.481.1.12:1998 Degree of Colour Change	0
AS 1580.481.1.13:1998 Degree of Fungal or Algal Growth	0

Note: Ratings apply to transparent coating film only, substrate faded during exposure.