



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. 4036

Sample: Guardian Water-based Anti-graffiti Coating, White

Date Received: 19 March 2003

Date Tested: 18 July 2003

From: Balcatta, WA

Description & Condition: 1 –off 1L container Guardian Anti-graffiti Primer, Clear
1 –off 1L kit Guardian Water-based Anti-graffiti Coating, White

TEST DESCRIPTION: VISUAL EXAMINATION

Sample Preparation:

Coating system consisted of one coat of Guardian Anti-graffiti Primer at nominal 20µm DFT and two coats of Guardian Water-based Anti-graffiti Coating at nominal 100µm WFT per coat. Application was by brush to cellulose cement fibre sheet by GHD (Bentley). Recoat interval was overnight for the first coat and 4 hours for subsequent coats. 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: P23567
Client Identification: Guardian Water-based Anti-graffiti Coating, White
Exposure Time: 2000 hours

Standard Number and Description	Results
AS 1580.481.1.2:1998 Discolouration	0-1
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	0-1
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	1-2
AS 1580.481.1.12:1998 Degree of Colour Change	0-1
AS 1580.481.1.13:1998 Degree of Fungal or Algal Growth	0