

SIRIM QAS Sdn.Bhd. (Company No.: 410334-X)

CHEMICAL TESTING SECTION, Building 16, No.1, Persiaran Dato' Menteri, P.O.Box 7035, Section 2, 40911 Shah Alam, Selangor Darul Ehsan,

Fax. no: 03-55446688 Tel. no: 03-55446651/55446658

TEST REPORT

REPORT NO.: 2002KL1168

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Applicant

GROUP STEEL CORP. (M) SDN. BHD.

No. 180, Kawasan Industri Ayer Keroh

75450 Ayer Keroh

Melaka

Product

PPGI Sheet

Reference standard/:

Method of test

Company Test Method - Carbon Staining Resistance Test

Description of sample:

Received one (1) sample of PPGI Sheet for testing which was

labeled as:

Brand

: Conventional PPGI

Model

: Dawn Blue

Serial number

: GQE-411D

Marking

: D

Date received

28th November 2002

Job No.

02TSC4208

Issue date

19th December 2002

(HAHNAS MAHBUT)

Senior Technical Executive

(NORLIA MUSA, AMIC)

Senior Manager

Chemical Testing Section

Building 16

SIRIM QAS Sdn. Bhd.

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Test Results

Sample

: PPGI Sheet

Brand

: Conventional PPGI

Model

: Dawn Blue

Serial number

: GQE-411D

Marking

: D

Type of test

: Carbon staining resistance test

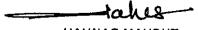
Test method

: Company test method

Test procedure:

- 1. Measure the colour of the panel using Color Spectrophotometer and record the CIE Lab reading.
- 2. Shaking the container of carbon powder solution and than pouring sufficient of prepared carbon powder solution (5% w/w of carbon black powder pigment) on the panel in water droplet form.
- 3. Put those panels into oven with a consistent temperature of 70°C for 2 hours.
- 4. After the dried powder is removed, gently wash the stain area with cotton cloth.
- 5. Remeasured the colour of panel by using Spectrophotometer and check its colour difference (ΔE).

No	Type of Test	Result
1.	Carbon staining resistance a) Computing the colour of panel by using the CIE System Observation angle: 10° Illuminants: D 65	$\Delta E = 10.2$



HAHNAS MAHBUT Senior Technical Executive Chemical Testing Section SIRIM QAS SDN. BHD.