



SIRIM QAS International Sdn. Bhd. (Company No. 410334-X)  
No. 1, Persiaran Dato' Menteri, P.O. Box 7035, Section 2  
40911 Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: 03-55446451  
Fax: 03-55446460

## TEST REPORT

REPORT NO : 2005CB0201	PAGE : 1 OF 3
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf for Conditions Relating To The Use of Test Report.	

Applicant : GROUP STEEL (M) SDN. BHD.  
180, Kawasan Industri Ayer Keroh  
Ayer Keroh  
75450 Melaka

Manufacturer : - Nil -

Product : GI Sheet

Reference Standard/  
Method of test : JIS Z 2241 : 1993 Method of tensile test for metallic materials.

Description of sample : 4 samples of GI Sheet were received for testing.  
Thickness : 0.55mm & 0.80mm

Date received : 08 / 02 / 2005

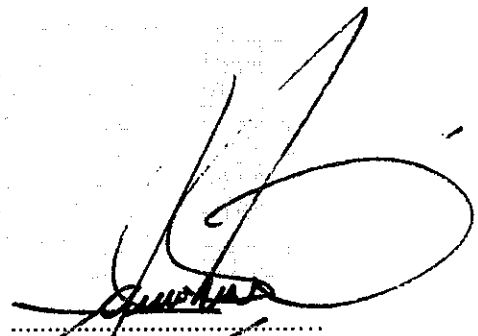
Job no./Ref. no. : J20055040155 / SQAS/CBMT/T.REC/MSL/01

Issued date : 28 FEB 2005

Approved Signatories

  
.....  
(SERI BANUN SUJANGI)  
Senior Technical Executive



  
.....  
(MOHD. FAUZI SMAIL)  
Senior Manager  
Construction and Building Materials Testing Section  
Testing Services Department

## TEST REPORT

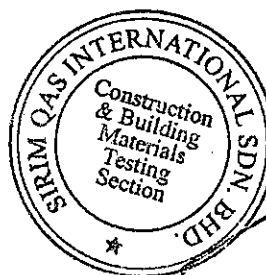
REPORT NO : 2005CB0201

PAGE : 2 OF 3

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director, SIRIM QAS International Sdn. Bhd.

### TEST RESULTS : TENSILE TEST

SAMPLE REFERENCE	0.55/S1	0.55/S2
THICKNESS, a (mm)	0.59	0.59
WIDTH , b (mm)	25.02	25.01
AREA, So (mm <sup>2</sup> )	14.76	14.76
YIELD LOAD (kN)	7.38	7.38
UPPER YIELD STRENGTH (N/mm <sup>2</sup> )	500	500
MAXIMUM FORCE, Fm (kN)	11.81	10.33
TENSILE STRENGTH, Rm (N/mm <sup>2</sup> )	800	700
ELONGATION, A (%)	16.5	13.0



*[Signature]*  
28 FEB 2005

## TEST REPORT

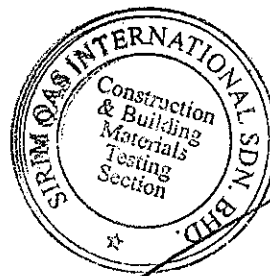
REPORT NO : 2005CB0201

PAGE : 3 OF 3

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director, SIRIM QAS International Sdn. Bhd.

### TEST RESULTS : TENSILE TEST

SAMPLE REFERENCE	0.80/S1	0.80/S2
THICKNESS, a (mm)	0.84	0.84
WIDTH , b (mm)	25.02	25.03
AREA, So (mm <sup>2</sup> )	21.02	21.02
YIELD LOAD (kN)	13.66	13.66
UPPER YIELD STRENGTH (N/mm <sup>2</sup> )	650	650
MAXIMUM FORCE, Fm (kN)	14.71	14.71
TENSILE STRENGTH, Rm (N/mm <sup>2</sup> )	700	700
ELONGATION, A (%)	15.0	14.0



*[Signature]*  
28 FEB 2005