



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2006FE0057**

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Our Ref : SQAS / FET / 15 / 1 - 5

Issued by : **Fire Engineering Testing Section**

Issued date : **24 FEB 2006**

Product : **GI SHEET**

Reference Standard/ Method of test : BS 476: Part 6: 1989  
Fire Test on Building Materials and Structures  
Part 6: Method of Test for Fire Propagation for Products.

Applicant : **GROUP STEEL (M) SDN. BHD.**  
180, Kawasan Industri Ayer Keroh,  
75450 Ayer Keroh,  
Melaka.  
**(Attn: Mr. Lew Ren Shang)**

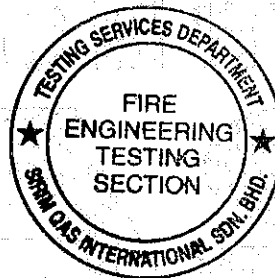
Description of sample : 3 pieces of GI Sheets.  
Size of Specimen : 225mm × 225mm × 0.79mm (measured thickness)  
Nominal Thickness : 0.80mm  
Density : 8244 kg/m<sup>3</sup>


The specimens were tested with the face side exposed to the specified heating conditions of the fire test.

Date received : 15.02.2006

Job No. : J2006 506 0043

  
HISYAM HISHAMUDDIN  
Technical Executive



  
ROHAYA IBRAHIM  
Senior Manager  
Fire Engineering Testing Section  
Testing Services Department  
SIRIM QAS International Sdn. Bhd.

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**Product** : GI Sheet

**Density** : 8244 kg/m<sup>3</sup>

**Nominal Thickness** : 0.80mm

**Measured Thickness** : 0.79mm

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	13	15	14	11	13
1.0	17	18	18	15	17
1.5	22	22	22	20	21
2.0	24	26	25	24	25
2.5	27	29	29	28	28
3.0	31	32	32	31	32
4.0	72	78	77	72	76
5.0	110	118	115	114	116
6.0	136	141	141	136	139
7.0	157	161	161	157	159
8.0	173	175	177	170	174
9.0	184	187	186	182	185
10.0	192	204	199	189	197
12.0	204	213	216	205	211
14.0	214	228	223	211	220
16.0	225	232	230	219	227
18.0	229	236	239	226	233
20.0	237	244	241	235	240
Subindex 1		0.7	0.5	0.1	0.4
Subindex 2		0.6	0.5	0.1	0.4
Subindex 3		0.3	0.3	0.0	0.2
Index of Performance		1.6	1.3	0.2	1.0



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**24 FEB 2006**

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Date of Test : 21.02. 2006

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **1.0** for the GI Sheet with known density of  $8244 \text{ kg/m}^3$  and measured thickness of 0.79mm.

The Subindex **i1** is **0.4**

The Subindex **i2** is **0.4**

The Subindex **i3** is **0.2**

The test results relate only to the behavior of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



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24 FEB 2006

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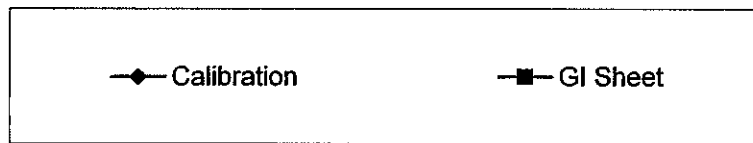
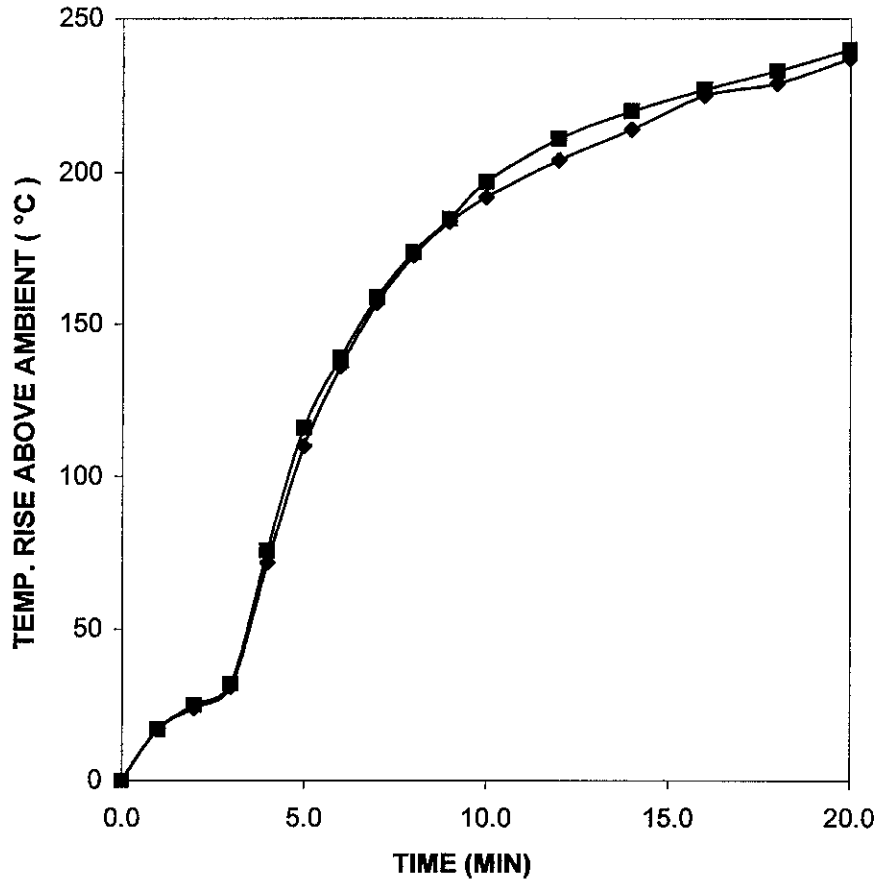
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Product : GI Sheet

Density : 8244 kg/m<sup>3</sup>

Nominal Thickness : 0.80mm

Measured Thickness : 0.79mm



*Handwritten signature*

24 FEB 2006