



**SIRIM QAS International Sdn. Bhd.**

No. 1, Persiaran Dato' Menteri, P.O.Box 7035, Seksyen 2, 40911 Shah Alam, Selangor Darul Ehsan

MALAYSIA

Tel: 03-55446465

Fax: 03-55446454

http://www.sirim.my

(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2007FE0273**

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

Issued by : **Fire Protection Section**

Issued date : **26 SEP 2007**

Product : **GI SHEETS 0.75MM**

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 CORP. (M) SDN. BHD.,**  
180, Kawasan Perindustrian Ayer Keroh,  
75450 Ayer Keroh,  
Melaka.  
**(Attn: Mr. Lew Ren Shang)**

Description of sample : 3 pieces of GI Sheets.  
Size of Specimen : 225mm × 225mm × 0.78mm (measured thickness)  
Density : 7967 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 : 28.08.2007

Job No. : J2007 506 0248

.....  
**WAN MOHD KHAIRI WAN YAHYA**  
Technical Executive



.....  
**ZAINI AHMAD**  
Group Leader  
FPST Testing Group  
Fire Protection Section

Product Certification, Inspection and Testing Department  
SIRIM QAS International Sdn. Bhd.

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**Product** : GI Sheets 0.75mm

**Measured Thickness** : 0.78 mm

**Density** : 7967 kg/m<sup>3</sup>

**Date of Test** : 09.09.2007

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	16	11	11	11	11
1.0	21	14	15	15	15
1.5	25	17	18	18	18
2.0	29	20	22	22	21
2.5	33	24	25	25	24
3.0	34	27	28	28	27
4.0	70	63	60	63	62
5.0	110	107	104	109	107
6.0	138	133	131	135	133
7.0	156	152	153	154	153
8.0	171	168	165	171	168
9.0	183	182	180	185	182
10.0	193	191	189	198	193
12.0	206	206	205	207	206
14.0	215	220	214	218	217
16.0	223	226	226	228	226
18.0	230	232	234	238	235
20.0	236	237	237	240	238
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.0	0.0	0.1	0.0
Subindex 3		0.1	0.0	0.1	0.1
Index of Performance		0.1	0.0	0.2	0.1



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Date of Test : 09.09.2007

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.1** for the GI Sheets with known density of  $7967 \text{ kg/m}^3$  and measured thickness of 0.78mm.

The Subindex **i1** is **0.0**

The Subindex **i2** is **0.0**

The Subindex **i3** is **0.1**

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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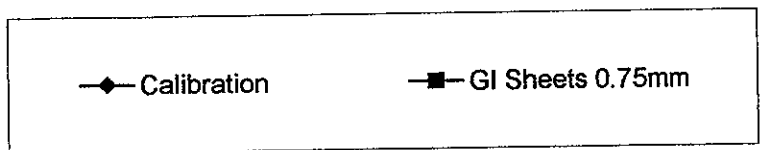
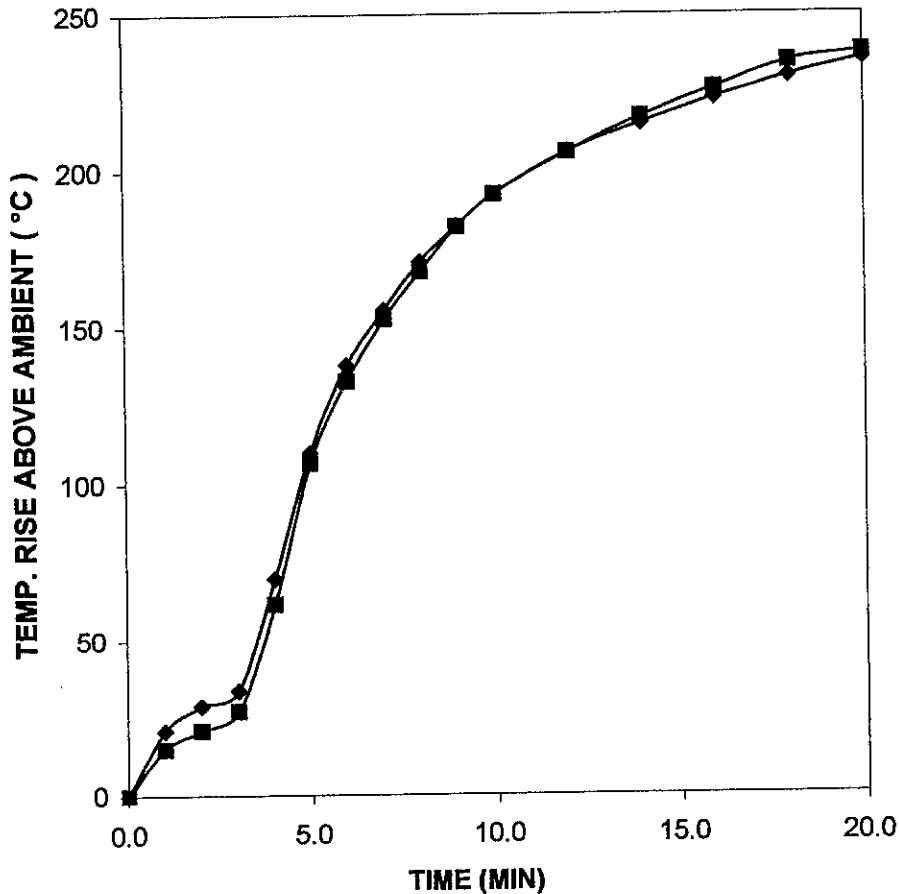
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**Product** : GI Sheets 0.75mm  
**Density** : 7967 kg/m<sup>3</sup>

**Measured Thickness** : 0.78 mm  
**Date of Test** : 09.09.2007



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