



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2007FE0272**


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Our Ref : SQAS / FET / 15 / 1 - 5  
Issued by : **Fire Protection Section**  
Issued date : **26 SEP 2007**  
Product : **GI SHEETS 0.48MM**  
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 × 0.48mm (measured thickness)  
Density : 8003 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 0250

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**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 0.48mm

**Measured Thickness** : 0.48 mm

**Density** : 8003 kg/m<sup>3</sup>

**Date of Test** : 08.09.2007

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	16	11	12	10	11
1.0	21	15	16	15	15
1.5	25	19	20	19	19
2.0	29	23	25	23	24
2.5	33	27	29	27	28
3.0	34	31	33	31	31
4.0	70	67	70	68	68
5.0	110	112	110	111	111
6.0	138	137	142	136	138
7.0	156	157	159	157	157
8.0	171	173	176	173	174
9.0	183	183	188	185	185
10.0	193	198	195	196	196
12.0	206	210	214	215	213
14.0	215	222	221	224	222
16.0	223	233	229	231	231
18.0	230	239	235	236	236
20.0	236	242	245	240	242
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.1	0.2	0.1	0.1
Subindex 3		0.2	0.2	0.2	0.2
Index of Performance		0.3	0.4	0.3	0.3



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Date of Test : 08.09.2007

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.3** for the GI Sheets with known density of  $8003 \text{ kg/m}^3$  and measured thickness of 0.48mm.

**The Subindex i1 is 0.0**

**The Subindex i2 is 0.1**

**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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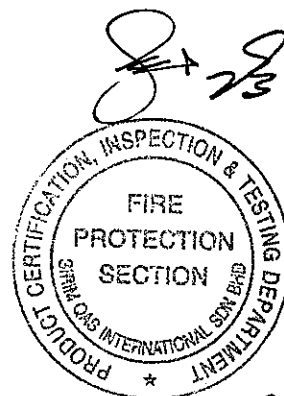
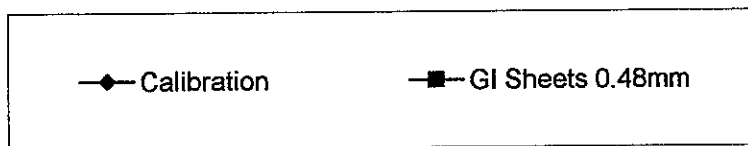
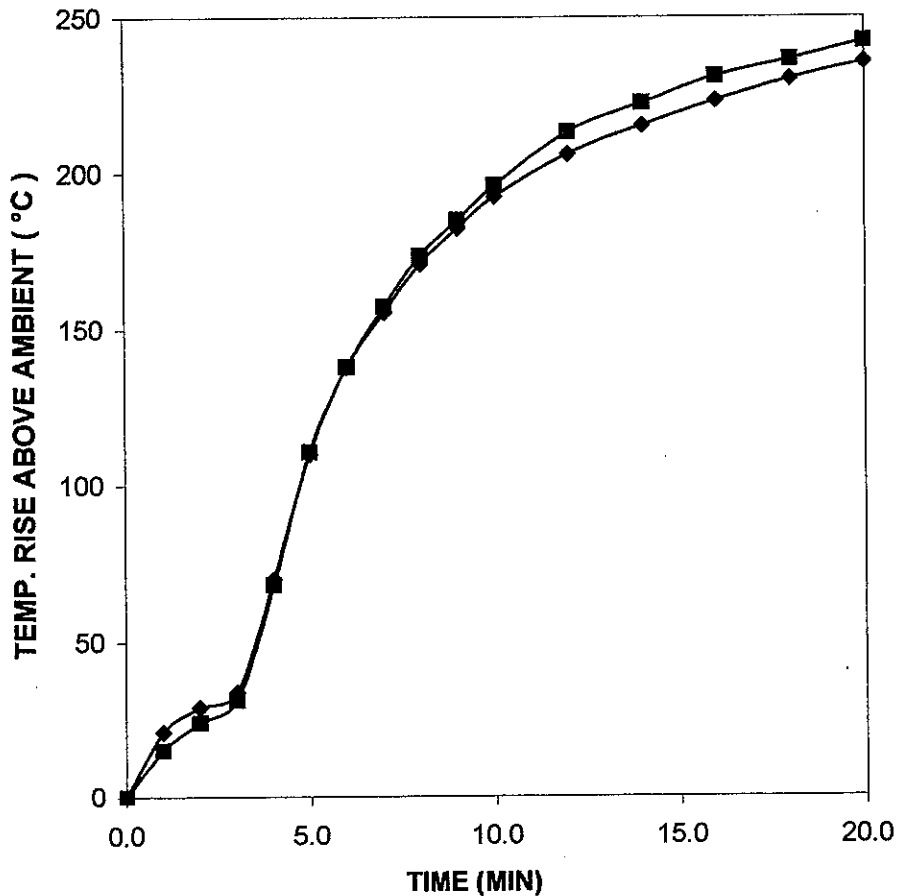
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Product : GI Sheets 0.48mm  
Density : 8003 kg/m<sup>3</sup>

Measured Thickness : 0.48 mm  
Date of Test : 08.09.2007



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