



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2008FE0169

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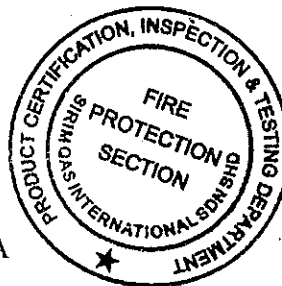
Our Ref : SQAS / FET / 15 / 1 - 5
Issued by : **Fire Protection Section**
Issued date : **23 JUL 2008**
Product : **GI SHEET**
Reference Standard/
Method of test : BS 476: Part 6: 1989
Fire Test on Building Materials and Structures
Part 6: Method of Test for Fire Propagation for Products.
Applicant : **GROUP STEEL CORP. (M) SDN. BHD.**
180 Kawasan Industri Ayer Keroh,
Ayer Keroh,
75450 Melaka.
(Attn: Mr. Lew Ren Shang)
Description of sample : 3 pieces of GI Sheets.
Size of Specimen : 225mm × 225mm × 1.5 mm (measured thickness)
Density : 8066 kg/m³

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

Date received : 24.06.2008

Job No. : J2008 506 0143

.....
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 Sheet

Measured Thickness : 1.5 mm

Density : 8066 kg/m³

Date of Test : 15.07.2008

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	15	14	14	12	13
1.0	19	22	16	16	18
1.5	23	28	20	21	23
2.0	28	33	23	24	27
2.5	31	38	27	29	31
3.0	35	42	30	32	35
4.0	62	72	59	60	63
5.0	100	109	92	95	98
6.0	125	134	119	122	125
7.0	145	156	140	145	147
8.0	163	174	158	163	165
9.0	177	185	174	177	179
10.0	189	197	186	191	191
12.0	207	215	204	209	209
14.0	219	228	216	221	222
16.0	231	233	228	230	230
18.0	237	241	235	239	238
20.0	245	244	241	246	243
Subindex 1		1.4	0.0	0.0	0.5
Subindex 2		1.0	0.0	0.0	0.3
Subindex 3		0.2	0.0	0.0	0.1
Index of Performance		2.6	0.0	0.0	0.9



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Date of Test : 15.07.2008

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.9** for the GI Sheet with known density of 8066 kg/m^3 and measured thickness of 1.5 mm.

The Subindex **i1** is **0.5**

The Subindex **i2** is **0.3**

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.



23 JUL 2008

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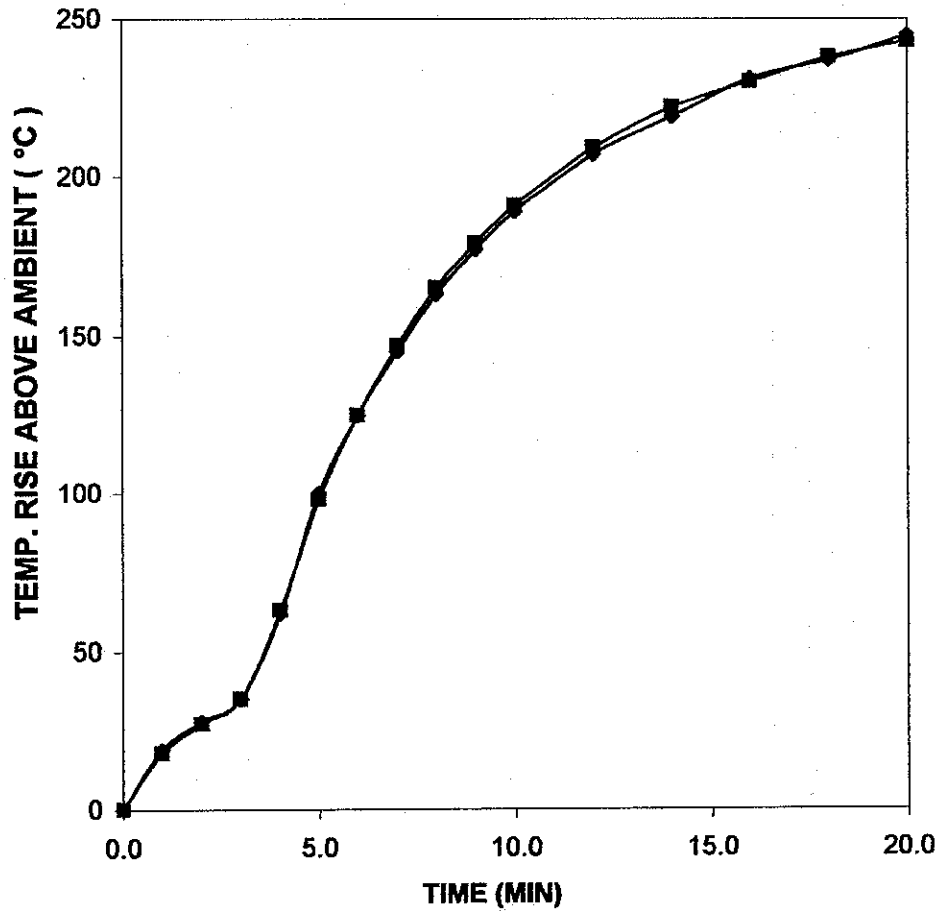
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Product : GI Sheet
Density : 8066 kg/m³

Measured Thickness : 1.5 mm
Date of Test : 15.07.2008



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23 JUL 2008