



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2008FE0184

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Our Ref : SQAS / FET / 15 / 1 - 5
Issued by : **Fire Protection Section**
Issued date : **07 AUG 2008**
Product : **GI SHEET 1.90 MM**
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 CORPORATION (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 × 1.93 mm (measured thickness)
Density : 7768 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 0141

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



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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 1.90 MM

Measured Thickness : 1.93 mm

Density : 7768 kg/m³

Date of Test : 26.07.2008

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	17	14	14	17	15
1.0	22	19	18	20	19
1.5	25	21	20	24	22
2.0	29	23	22	27	24
2.5	32	25	24	31	27
3.0	35	27	27	34	29
4.0	64	56	56	66	59
5.0	101	92	91	101	94
6.0	126	116	115	126	119
7.0	145	134	136	144	138
8.0	161	152	152	161	155
9.0	172	163	166	176	168
10.0	185	175	177	188	180
12.0	204	194	196	208	199
14.0	215	208	211	222	213
16.0	226	219	221	232	224
18.0	233	228	229	241	232
20.0	239	231	234	248	237
Subindex 1		0.0	0.0	0.1	0.0
Subindex 2		0.0	0.0	0.1	0.0
Subindex 3		0.0	0.0	0.2	0.1
Index of Performance		0.0	0.0	0.4	0.1



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Date of Test : 26.07.2008

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.1** for the GI SHEETS with known density of 7768 kg/m^3 and measured thickness of 1.93 mm.

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.



07 AUG 2008

TEST REPORT

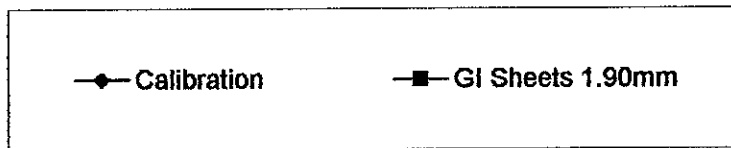
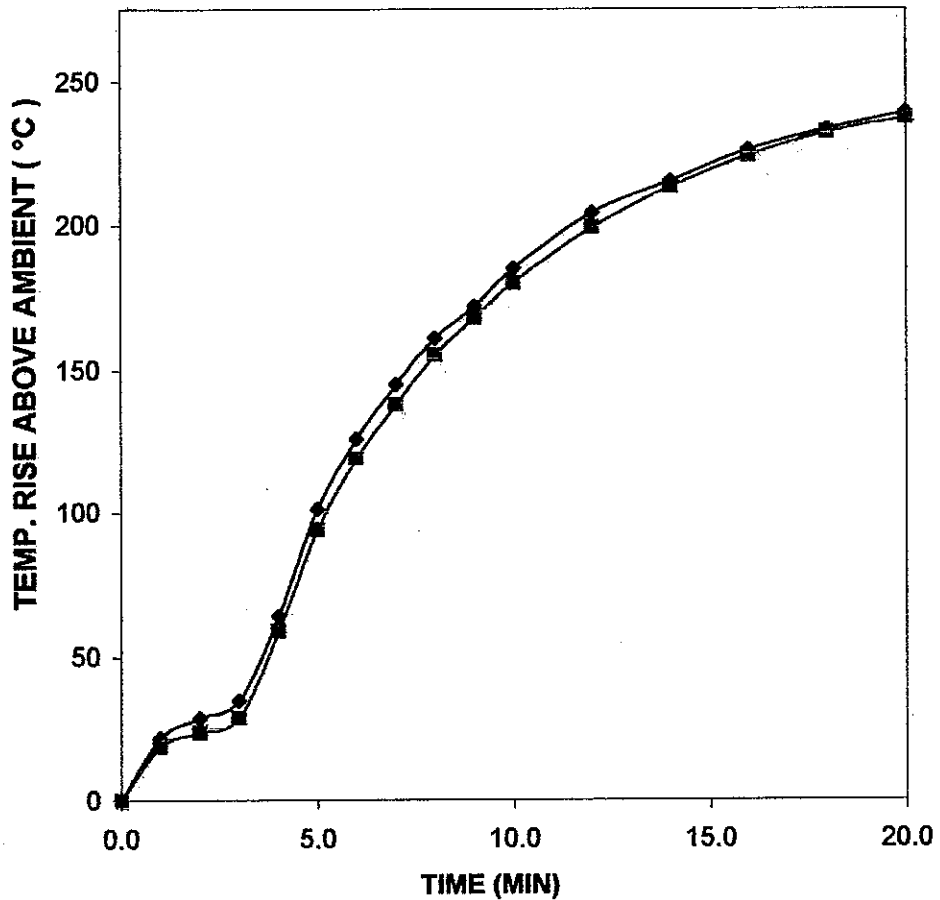
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Product : GI SHEET 1.90 MM
Density : 7768 kg/m³

Measured Thickness : 1.93 mm
Date of Test : 26.07.2008



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07 AUG 2008