



SIRIM QAS International Sdn. Bhd.

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MALAYSIA
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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2006FE0055

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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.

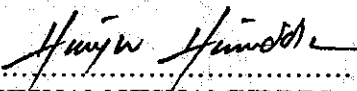
Applicant : **GROUP STEEL (M) SDN. BHD.**
180, Kawasan Industri Ayer Keroh,
75450 Ayer Keroh,
Melaka.
(Attn: Mr. Lew Ren Shang)

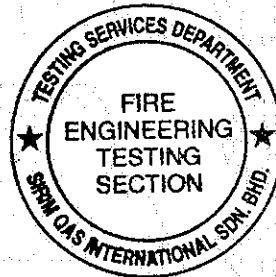
Description of sample : 3 pieces of GI Sheets.
Size of Specimen : 225mm × 225mm × 0.55mm (measured thickness)
Nominal Thickness : 0.55mm
Density : 8323 kg/m³

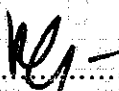
The specimens were tested with the face side exposed to the specified heating conditions of the fire test.

Date received : 15.02.2006

Job No. : J2006 506 0041


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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 : 8323 kg/m³

Nominal Thickness : 0.55mm

Measured Thickness : 0.55mm

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	13	13	15	13	13
1.0	17	20	18	19	19
1.5	22	25	26	26	25
2.0	24	30	30	30	30
2.5	27	33	35	34	34
3.0	31	37	39	38	38
4.0	72	82	82	90	85
5.0	110	124	123	128	125
6.0	136	150	145	151	149
7.0	157	168	169	174	170
8.0	173	186	185	186	186
9.0	184	198	196	202	198
10.0	192	206	206	212	208
12.0	204	225	221	225	224
14.0	214	233	227	233	231
16.0	225	239	236	240	238
18.0	229	244	245	249	246
20.0	237	245	247	251	248
Subindex 1		1.2	1.6	1.3	1.3
Subindex 2		1.4	1.2	1.8	1.5
Subindex 3		0.5	0.4	0.6	0.5
Index of Performance		3.1	3.2	3.7	3.3



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Date of Test : 22.02. 2006

No. of Specimen Tested : 3 nos.

The Fire Propagation Index I is 3.3 for the GI Sheet with known density of 8323 kg/m³ and measured thickness of 0.55mm.

The Subindex i1 is 1.3

The Subindex i2 is 1.5

The Subindex i3 is 0.5

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

TEST REPORT

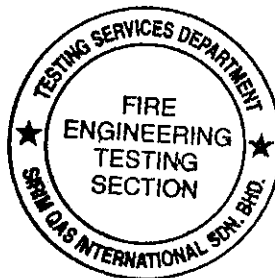
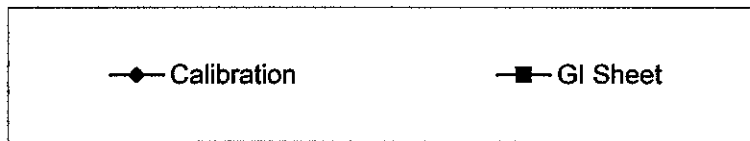
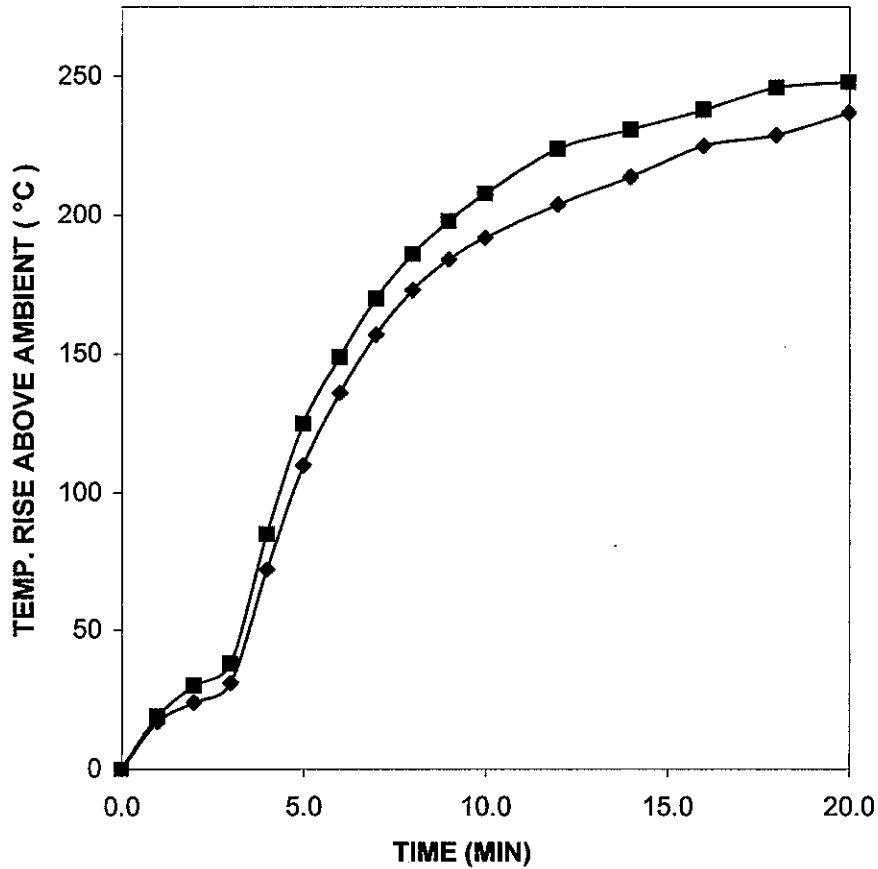
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Product : GI Sheet
Nominal Thickness : 0.55mm

Density : 8323 kg/m³
Measured Thickness : 0.55mm



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24 FEB 2006