



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

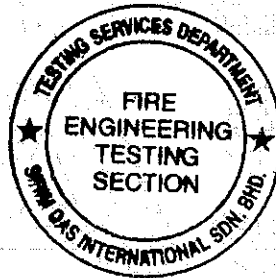
REPORT NO.: 2006FE0053


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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 × 0.42mm (measured thickness)
Nominal Thickness : 0.42mm
Density : 8366 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 0039


HISYAM HISHAMUDDIN
Technical Executive




ROHAYA IBRAHIM
Senior Manager
Fire Engineering Testing Section
Testing Services Department
SIRIM QAS International Sdn. Bhd.

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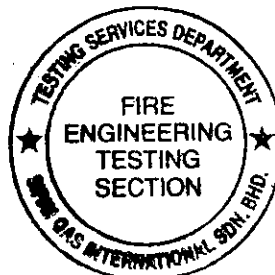
Product : GI Sheet

Density : 8366 kg/m³

Nominal Thickness : 0.42mm

Measured Thickness : 0.42mm

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	13	15	14	14	14
1.0	17	20	22	19	20
1.5	22	26	28	26	27
2.0	24	32	32	30	31
2.5	27	35	37	34	35
3.0	31	41	43	39	41
4.0	72	87	84	84	85
5.0	110	131	131	124	128
6.0	136	153	149	155	152
7.0	157	175	173	174	174
8.0	173	193	187	184	188
9.0	184	204	196	198	199
10.0	192	210	214	206	210
12.0	204	224	225	219	222
14.0	214	235	230	230	232
16.0	225	244	235	234	237
18.0	229	246	245	242	244
20.0	237	254	249	248	250
Subindex 1		2.0	2.2	1.5	1.9
Subindex 2		2.0	1.7	1.6	1.7
Subindex 3		0.6	0.5	0.4	0.5
Index of Performance		4.6	4.4	3.5	4.1



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24 FEB 2006

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Date of Test : 23.02. 2006

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **4.1** for the GI Sheet with known density of 8366 kg/m^3 and measured thickness of 0.42mm.

The Subindex **i1** is 1.9

The Subindex **i2** is 1.7

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.



A handwritten signature in black ink, appearing to read "Hui Ngy".

24 FEB 2006

TEST REPORT

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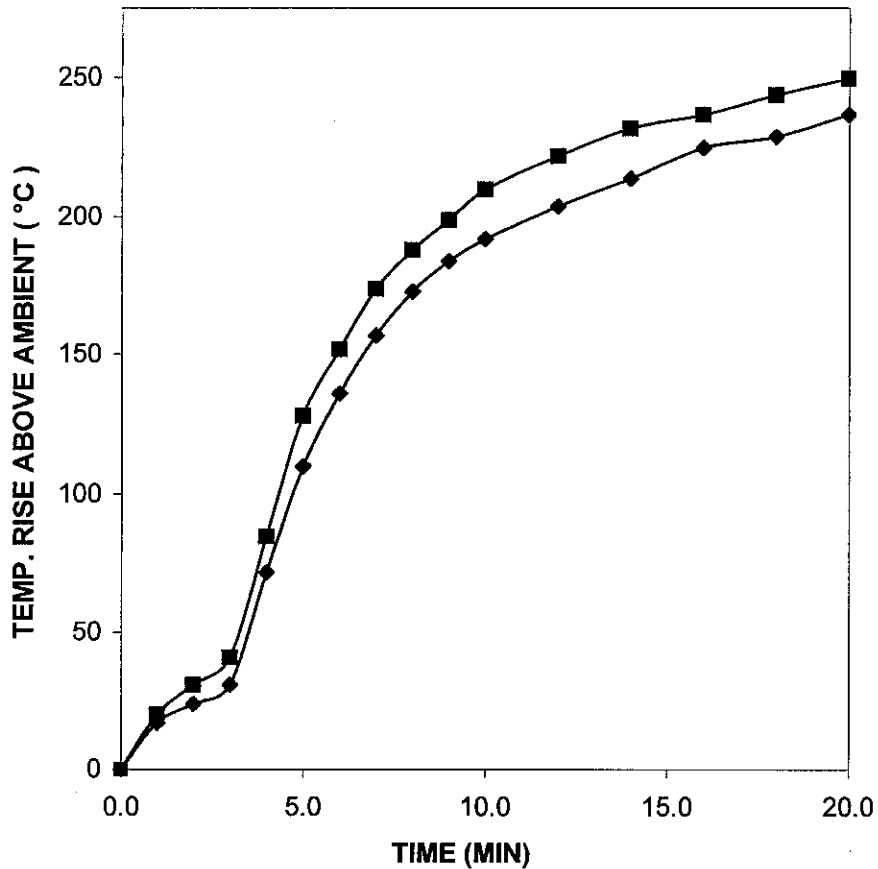
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Product : GI Sheet

Density : 8366 kg/m³

Nominal Thickness : 0.42mm

Measured Thickness : 0.42mm



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24 FEB 2006