



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2005FE0302**

**PAGE 1 OF 4**

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**Our Ref** : SQAS / FET / 15 / 1 - 5

**Issued by** : **Fire Engineering Testing Section**

**Issued date** : **28 NOV 2005**

**Product** : **PREPAINTED GALVANIZED STEEL 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)

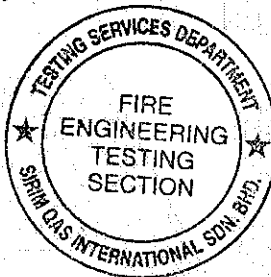
**Description of sample** : 3 pieces of Prepainted Galvanized Steel Sheet.  
Size of Specimen : 225mm × 225mm × 0.28mm (measured thickness)  
Nominal Thickness : 0.26mm  
Density : 7780 kg/m<sup>3</sup>


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

**Date received** : 17.11.2005

**Job No.** : J2005 506 0269

  
HISYAM HISHAMUDDIN  
Technical Executive



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

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**PAGE 2 OF 4**

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**Product** : Prepainted Galvanized Steel Sheet      **Density** : 7780 kg/m<sup>3</sup>  
**Nominal Thickness** : 0.26mm      **Measured Thickness** : 0.28mm

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	14	21	20	23	21
1.0	18	31	29	30	30
1.5	21	37	34	35	35
2.0	25	42	38	40	40
2.5	28	47	44	44	45
3.0	30	52	48	47	49
4.0	66	89	83	82	85
5.0	105	131	127	122	127
6.0	129	158	152	150	153
7.0	150	177	170	170	172
8.0	163	190	183	184	185
9.0	175	203	194	196	198
10.0	186	211	204	203	206
12.0	203	224	217	219	220
14.0	213	235	225	229	230
16.0	221	241	236	235	237
18.0	229	247	238	245	243
20.0	233	253	245	244	247
Subindex 1		6.2	5.2	5.9	5.8
Subindex 2		2.9	2.2	2.1	2.4
Subindex 3		0.7	0.4	0.5	0.5
Index of Performance		9.8	7.8	8.5	8.7



28 NOV 2005

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REPORT NO.: 2005FE0302

PAGE 3 OF 4

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Date of Test : 24.11.2005

No. of Specimen Tested : 3 nos.

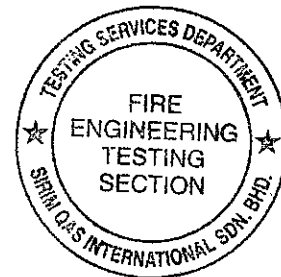
The Fire Propagation Index **I** is **8.7** for the Prepainted Galvanized Steel Sheet with known density of  $7780 \text{ kg/m}^3$  and measured thickness of 0.28mm.

The Subindex **i1** is **5.8**

The Subindex **i2** is **2.4**

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.



28 NOV 2005

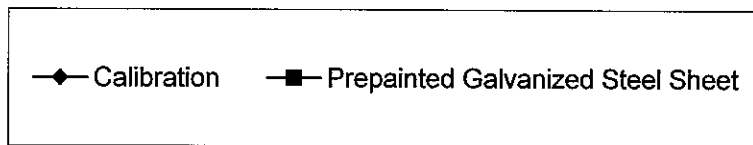
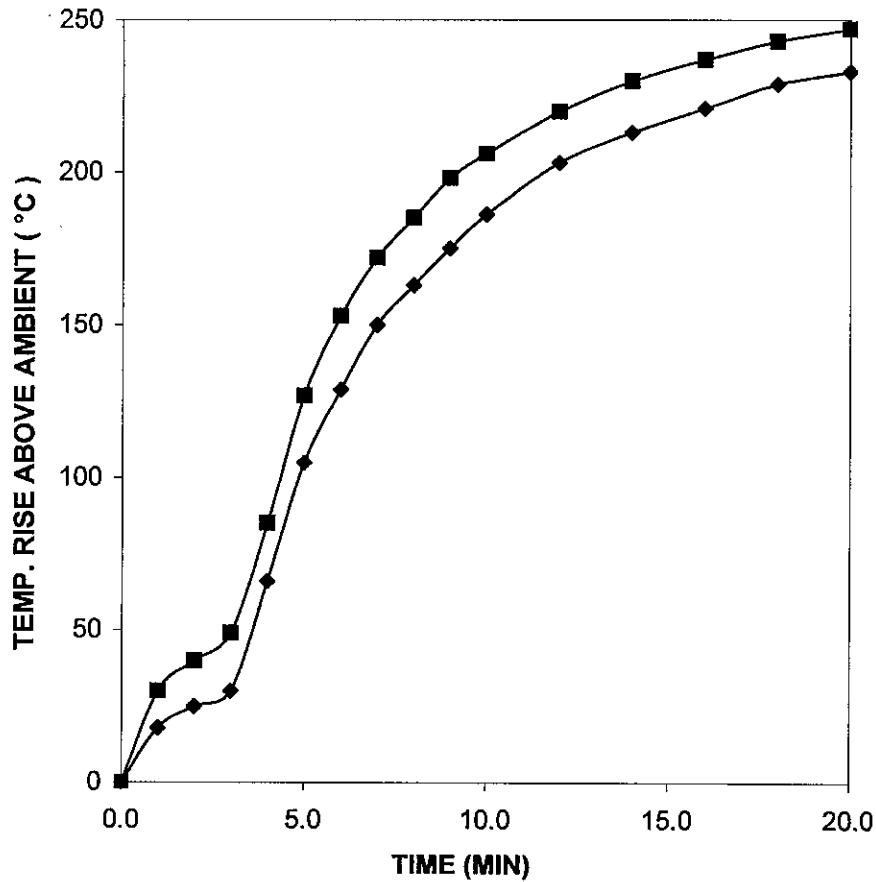
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PAGE 4 OF 4

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**Product** : Prepainted Galvanized Steel Sheet      **Density** : 7780 kg/m<sup>3</sup>  
**Nominal Thickness** : 0.26mm      **Measured Thickness** : 0.28mm



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28 NOV 2005