



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2010FE0174**

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Our Ref : SQAS / FPS / 15 / 1 - 5

Issued by : Fire Protection Section

Issued date : 07 MAY 2010

Product : GALVANIZED IRON SHEET (BMT 1.2 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 : CSC STEEL SDN. BHD.  
180, Kawasan Industri Ayer Keroh,  
Ayer Keroh,  
75450 Melaka.  
(Attn: Mr. Chan Hian How)

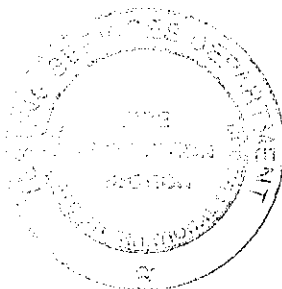
Description of sample : 3 pieces of Galvanized Iron Sheets.  
Size of Specimen : 225 mm × 225 mm × 1.2 mm (measured thickness)  
Nominal Thickness : BMT 1.2 mm ± 0.3 mm  
Nominal Density : 7850 kg/m<sup>3</sup> ± 10%  
Measured Density : 7667 kg/m<sup>3</sup>

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

Date received : 03.03.2010

Job No. : J20105060093

.....  
  
**WAN MOHD KHAIRI WAN YAHYA**  
Testing Executive



.....  
  
**ZAINI AHMAD**  
Group Leader  
Fire Protection Section  
Testing Services Department  
SIRIM QAS International Sdn. Bhd.

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**Product** : Galvanized Iron Sheet (BMT 1.2 mm)      **Measured Thickness** : 1.2 mm  
**Density** : 7667 kg/m<sup>3</sup>      **Date of Test** : 16.04.2010

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	13	12	12	12	12
1.0	18	15	15	16	15
1.5	22	19	19	20	19
2.0	25	22	22	24	23
2.5	28	26	26	27	26
3.0	30	30	30	31	30
4.0	60	64	63	61	62
5.0	98	101	103	103	102
6.0	124	129	129	128	128
7.0	147	150	149	150	149
8.0	162	166	167	167	167
9.0	177	180	181	184	182
10.0	192	195	195	195	195
12.0	210	217	218	219	218
14.0	225	233	234	235	234
16.0	237	243	244	244	244
18.0	247	254	254	253	254
20.0	253	260	260	259	260
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.4	0.4	0.4	0.4
Subindex 3		0.2	0.3	0.3	0.3
Index of Performance		0.6	0.7	0.7	0.7



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Date of Test : 16.04.2010

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.7** for the Galvanized Iron Sheet with known density of  $7667 \text{ kg/m}^3$  and measured thickness of 1.2 mm.

The Subindex **i1** is **0.0**

The Subindex **i2** is **0.4**

The Subindex **i3** is **0.3**

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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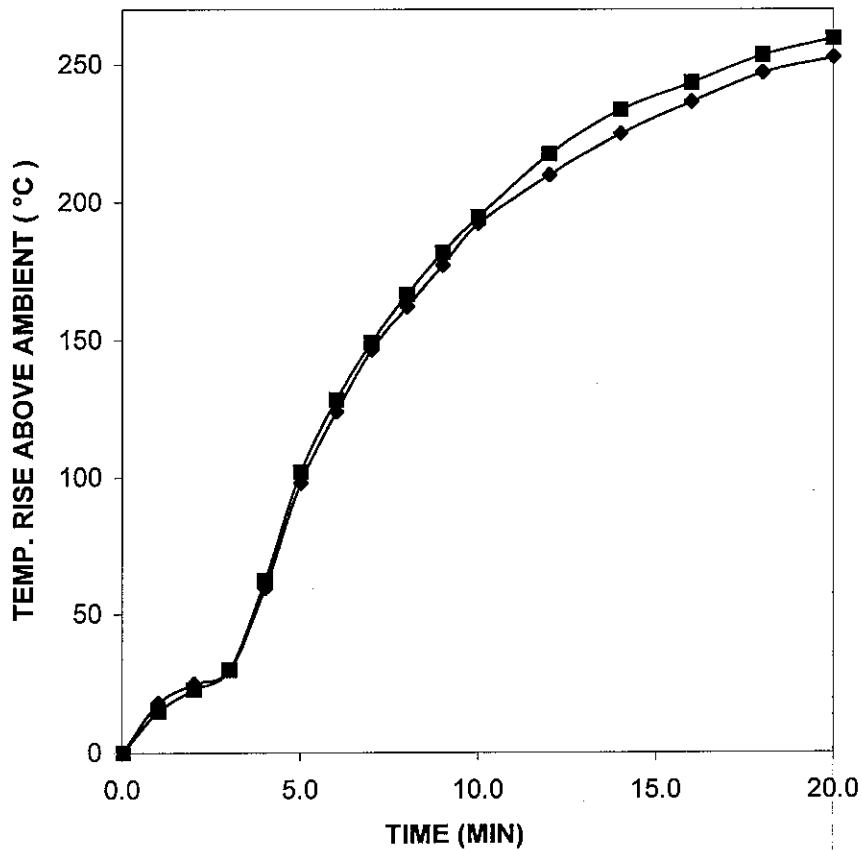
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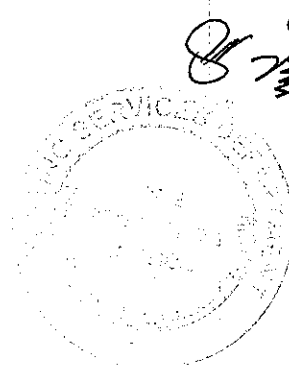
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**Product** : Galvanized Iron Sheet (BMT 1.2 mm)    **Measured Thickness** : 1.2 mm  
**Density** : 7667 kg/m<sup>3</sup>    **Date of Test** : 16.04.2010



◆ Calibration    ■ Galvanized Iron Sheet (BMT 1.2 mm)



07 MAY 2010