



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2012FE0125**

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

Product : **GALVANIZED IRON SHEET SGC570 Z18 1.00MM (BMT)**

Reference Standard/  
Method of Test : **BS 476: Part 6: 1989+A1:2009**  
**Fire Test on Building Materials and Structures**  
**Part 6: Method of Test for Fire Propagation for Products.**

Description of Test  
Specimen : **3 pieces of Galvanized Iron Sheet SGC570 Z18 1.00mm (BMT).**  
Size of Specimen : **225mm × 225mm × 1.06 mm (measured thickness)**  
Nominal Thickness : **1.0 mm**  
Measured Density : **7798 kg/m<sup>3</sup>**

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

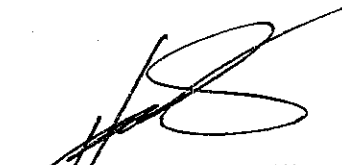
Date Received : 19.03.2012

Date of Test : 03.04.2012

Job No./ Ref No. : J20121280094 /SQAS/FPS/15/1-5

Test Result	<b>Subindex i1</b>	<b>Subindex i2</b>	<b>Subindex i3</b>	<b>Fire Propagation Index (I)</b>
	<b>0.0</b>	<b>0.4</b>	<b>0.3</b>	<b>0.7</b>

Issued Date : 19 APR 2012

  
.....  
**HANAFI MOHAMAD**  
Senior 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 SGC570 Z18 1.00MM (BMT)  
**Nominal Thickness** : 1.0 mm                      **Measured Density** : 7798 kg/m<sup>3</sup>  
**Measured Thickness** : 1.06 mm                      **Date of Test** : 03.04.2012

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	16	15	14	14	14
1.0	21	20	19	19	19
1.5	26	25	24	24	24
2.0	30	30	28	29	29
2.5	34	35	32	34	33
3.0	38	39	37	39	38
4.0	70	69	70	71	70
5.0	105	108	107	110	108
6.0	128	132	133	134	133
7.0	148	152	152	154	153
8.0	166	169	171	171	170
9.0	181	185	188	185	186
10.0	192	198	200	200	199
12.0	213	218	221	222	220
14.0	228	232	235	236	234
16.0	239	243	247	247	245
18.0	247	255	255	255	255
20.0	254	260	262	261	261
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.3	0.4	0.5	0.4
Subindex 3		0.2	0.3	0.3	0.3
Index of Performance		0.5	0.7	0.8	0.7



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Date of Test : 03.04.2012

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.7** for the Galvanized Iron Sheet SGC 570 Z18 1.00mm (BMT) with measured density of  $7798 \text{ kg/m}^3$  and measured thickness of 1.06 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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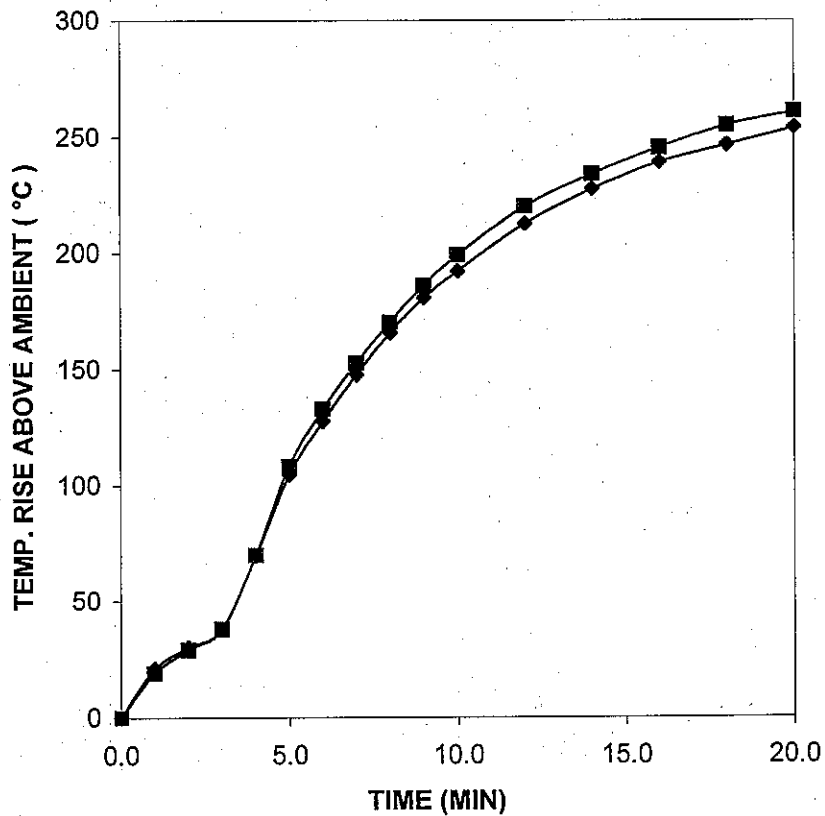
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**Measured Thickness** : 1.06 mm                      **Date of Test** : 03.04.2012



◆ Calibration  
■ Galvanized Iron Sheet SGC570 Z18 1.00mm (BMT)



19 APR 2012