



**SIRIM QAS International Sdn. Bhd.**  
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(Company No: 410334-X)

### TEST REPORT

REPORT NO.: 2012FE0219

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Applicant/  
Manufacturer : **CSC STEEL SDN. BHD.**  
180, Kawasan Industri Ayer Keroh,  
75450 Ayer Keroh,  
Melaka.  
(Attn: Ms. Cheng Le Shi)

Product : **THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12 0.75MM (TCT)**

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 Thin Organic Coating Galvanized Iron Sheet SGC570 Z12 0.75mm (TCT).**  
Size of Specimen : **225mm × 225mm × 0.77 mm (measured thickness)**  
Nominal Thickness : **0.75 mm**  
Measured Density : **7654 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 : 29.05.2012

Date of Test : 29.06.2012

Job No./ Ref No. : J20121280186 /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>0.0</b>	<b>0.0</b>	<b>0.0</b>

Issued Date : 05 JUL 2012

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



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

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**Product** : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12  
 0.75MM (TCT)  
**Nominal Thickness** : 0.75mm                      **Measured Density** : 7654 kg/m<sup>3</sup>  
**Measured Thickness** : 0.77 mm                      **Date of Test** : 29.06.2012

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen	Specimen	Specimen	Specimen
		A	B	C	Average
0.5	18	12	15	14	13
1.0	23	14	18	16	16
1.5	27	17	20	20	19
2.0	28	21	23	22	22
2.5	33	24	27	25	25
3.0	35	27	30	28	28
4.0	74	59	63	61	61
5.0	110	93	98	98	96
6.0	135	118	118	119	118
7.0	154	138	139	139	139
8.0	172	158	163	160	160
9.0	186	173	179	177	176
10.0	198	188	193	190	190
12.0	214	211	217	214	214
14.0	229	227	231	229	229
16.0	243	239	242	242	241
18.0	252	247	251	252	250
20.0	258	255	260	259	258
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.0	0.0	0.0	0.0
Subindex 3		0.0	0.0	0.0	0.0
Index of Performance		0.0	0.0	0.0	0.0



[Handwritten Signature]

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Date of Test : 29.06.2012

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.0** for the Thin Organic Coating Galvanized Iron Sheet SGC570 Z12 0.75mm (TCT) with measured density of 7654 kg/m<sup>3</sup> and measured thickness of 0.77 mm.

The Subindex **i1** is 0.0

The Subindex **i2** is 0.0

The Subindex **i3** is 0.0

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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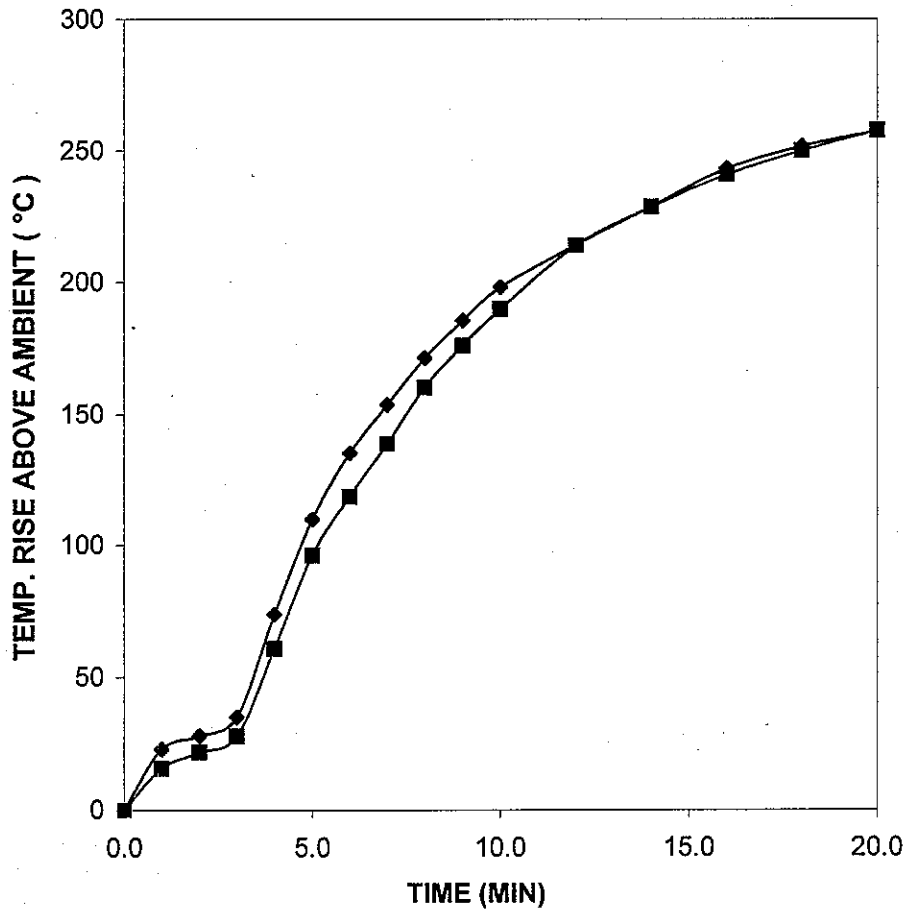
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**Product** : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12  
0.75MM (TCT)

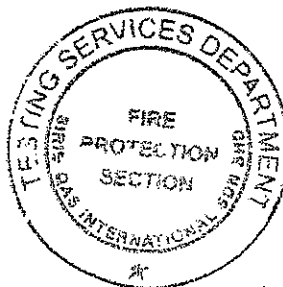
**Nominal Thickness** : 0.75mm      **Measured Density** : 7654 kg/m<sup>3</sup>

**Measured Thickness** : 0.77 mm      **Date of Test** : 29.06.2012



◆ Calibration

■ Thin Organic Coating Galvanized Iron Sheet SGC570 Z12  
0.75mm (TCT)



05 JUL 2012