



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2012FE0217

PAGE 1 OF 4

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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 0.50MM (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 Thin Organic Coating Galvanized Iron Sheet SGC570 Z12 0.50mm (BMT).
Size of Specimen : 225mm × 225mm × 0.52 mm (measured thickness)
Nominal Thickness : 0.50 mm
Measured Density : 7704 kg/m³

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 : 04.07.2012

Job No./ Ref No. : J20121280184 /SQAS/FPS/15/1-5

Test Result	Subindex i1	Subindex i2	Subindex i3	Fire Propagation Index (I)
	0.0	0.4	0.1	0.5

Issued Date : 05 JUL 2012

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WAN MOHD KHAIRI WAN YAHYA
Testing Executive



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

TEST REPORT

REPORT NO.: 2012FE0217	PAGE 2 OF 4
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Product : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12
 0.50MM (BMT)
Nominal Thickness : 0.50 mm **Measured Density** : 7704 kg/m³
Measured Thickness : 0.52 mm **Date of Test** : 04.07.2012

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen	Specimen	Specimen	Specimen
		A	B	C	Average
0.5	15	11	11	11	11
1.0	20	14	13	14	14
1.5	23	17	16	17	17
2.0	26	19	19	20	19
2.5	28	23	22	24	23
3.0	32	26	25	27	26
4.0	61	58	53	62	57
5.0	92	94	91	96	94
6.0	113	123	119	124	122
7.0	134	146	142	144	144
8.0	161	163	161	165	163
9.0	179	181	175	182	179
10.0	192	193	191	195	193
12.0	211	214	213	216	214
14.0	224	231	232	234	232
16.0	238	242	244	245	244
18.0	248	250	252	252	251
20.0	256	257	258	260	258
Subindex 1		0.0	0.0	0.0	0.0
Subindex 2		0.4	0.2	0.5	0.4
Subindex 3		0.1	0.1	0.2	0.1
Index of Performance		0.5	0.3	0.7	0.5



J. S. M.

05 JUL 2012

TEST REPORT

REPORT NO.: 2012FE0217

PAGE 3 OF 4

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Date of Test : 04.07.2012

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.5** for the Thin Organic Coating Galvanized Iron Sheet SGC570 Z12 0.50mm (BMT) with measured density of 7704 kg/m³ and measured thickness of 0.52 mm.

The Subindex i1 is 0.0

The Subindex i2 is 0.4

The Subindex i3 is 0.1

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.



05 JUL 2012

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REPORT NO.: 2012FE0217

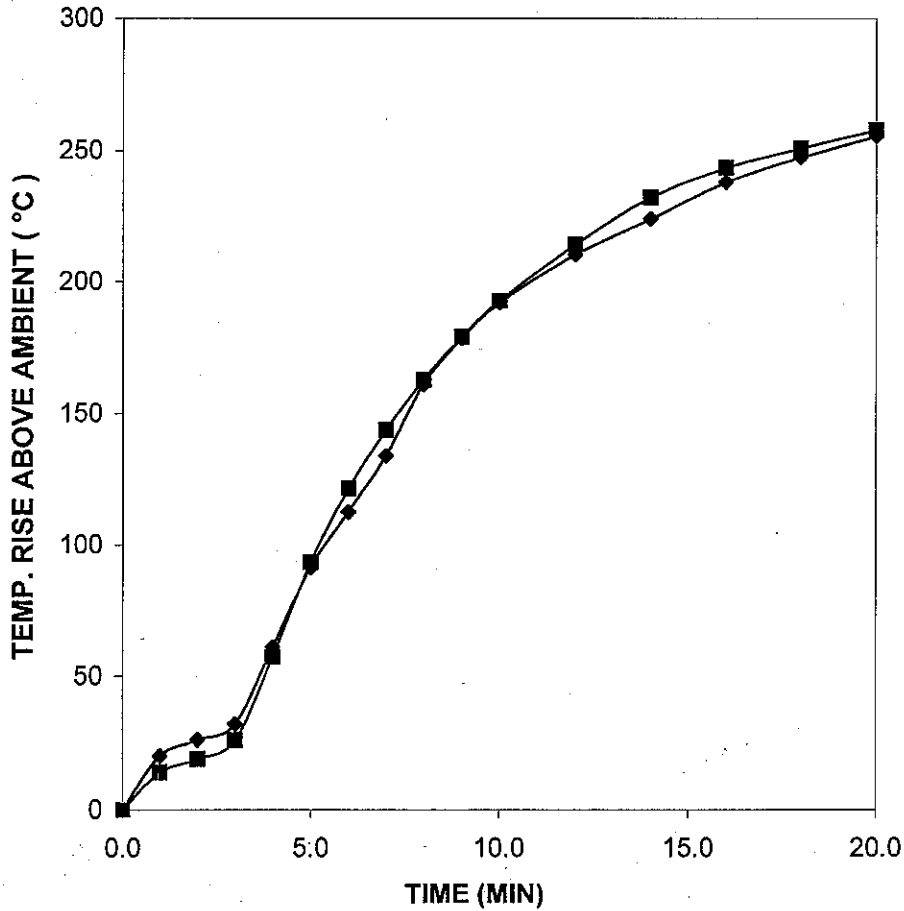
PAGE 4 OF 4

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Product : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12
0.50MM (BMT)

Nominal Thickness : 0.50 mm **Measured Density** : 7704 kg/m³

Measured Thickness : 0.52 mm **Date of Test** : 04.07.2012



◆ Calibration

■ Thin Organic Coating Galvanized Iron Sheet SGC570 Z12
0.50mm (BMT)



05 JUL 2012