



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2012FE0126

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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 SGCC Z12 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 SGCC Z12 1.00mm (BMT).
Size of Specimen : 225mm × 225mm × 1.0 mm (measured thickness)
Nominal Thickness : 1.0 mm
Measured Density : 7888 kg/m³

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 : 30.03.2012

Job No./ Ref No. : J20121280092 /SQAS/FPS/15/1-5

Test Result :	Subindex i1	Subindex i2	Subindex i3	Fire Propagation Index (I)
	0.1	1.2	0.5	1.8

Issued Date : 19 APR 2012

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HANAFI MOHAMAD
Senior Testing Executive



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

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Product : GALVANIZED IRON SHEET SGCC Z12 1.00MM (BMT)
Nominal Thickness : 1.0 mm **Measured Density** : 7888 kg/m³
Measured Thickness : 1.0 mm **Date of Test** : 30.03.2012

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	15	14	14	15	14
1.0	19	19	17	19	18
1.5	24	24	22	24	23
2.0	28	28	27	27	27
2.5	32	32	31	32	32
3.0	36	36	36	37	36
4.0	64	69	70	69	69
5.0	96	105	107	107	106
6.0	120	131	132	131	131
7.0	140	153	152	153	153
8.0	157	172	169	172	171
9.0	171	186	187	188	187
10.0	183	201	198	200	199
12.0	204	220	220	222	221
14.0	217	234	233	237	234
16.0	228	243	242	247	244
18.0	237	252	251	256	253
20.0	244	260	257	261	259
Subindex 1		0.0	0.0	0.2	0.1
Subindex 2		1.2	1.2	1.3	1.2
Subindex 3		0.5	0.5	0.6	0.5
Index of Performance		1.7	1.7	2.1	1.8



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Date of Test : 30.03.2012

No. of Specimen Tested : 3 nos.

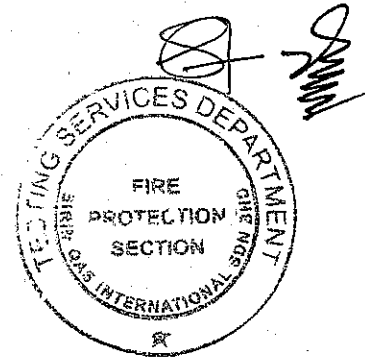
The Fire Propagation Index **I** is **1.8** for the Galvanized Iron Sheet SGCC Z12 1.00mm (BMT) with measured density of 7888 kg/m³ and measured thickness of 1.0 mm.

The Subindex **i1** is 0.1

The Subindex **i2** is 1.2

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.



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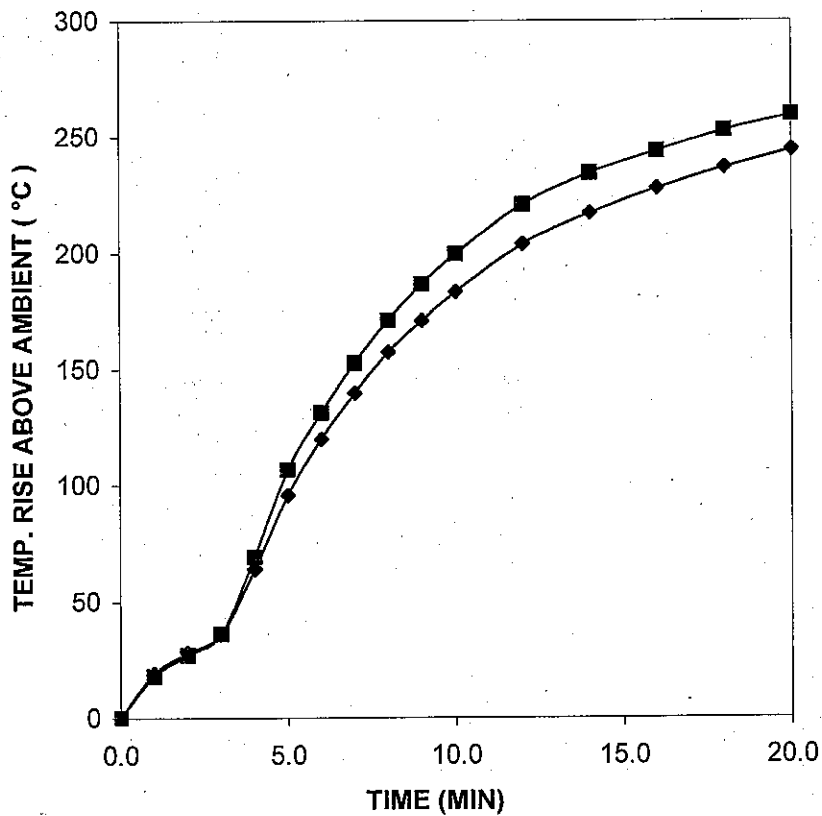
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Product : GALVANIZED IRON SHEET SGCC Z12 1.00MM (BMT)
Nominal Thickness : 1.0 mm **Measured Density** : 7888 kg/m³
Measured Thickness : 1.0 mm **Date of Test** : 30.03.2012



◆ Calibration
■ Galvanized Iron Sheet SGCC Z12 1.00mm (BMT)



19 APR 2012