



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

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

Product : **GALVANIZED IRON SHEET SGC 570 Z12 0.52 mm (BMT)**

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.

Description of test specimen : **3 pieces of Galvanized Iron Sheets**
Size of Specimen : **225mm × 225mm × 0.52 mm (measured thickness)**
Nominal Thickness : **0.52 mm**
Nominal Steel Density : **7850 kg/ m³**
Measured Density : **7919 kg/ m³**

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

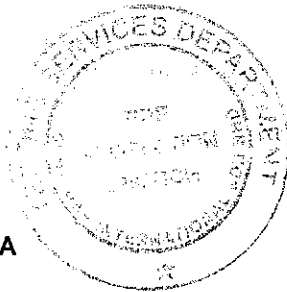
Date of test : 18.07.2010

Date received : 28.06.2010

Job No./ Ref No. : J20105060228 /SQAS/FPS/15/1-5

Issued date : **04 AUG 2010**

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WAN MOHD KHAIRI WAN YAHYA
Testing Executive



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

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Product : GALVANIZED IRON STEEL SGC 570 Z12 0.52 mm (BMT)
Nominal Thickness : 0.52 mm **Nominal Steel Density** : 7850 kg/ m³
Measured Thickness : 0.52 mm **Measured Density** : 7919 kg/ m³
Date of Test : 18.07.2010

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	14	14	13	12	13
1.0	17	16	17	14	16
1.5	21	20	20	18	19
2.0	24	23	24	21	22
2.5	27	26	27	24	26
3.0	30	30	32	28	30
4.0	63	63	61	59	61
5.0	102	102	101	102	102
6.0	128	128	127	132	129
7.0	149	149	149	153	150
8.0	167	168	166	172	169
9.0	182	184	183	189	185
10.0	191	195	196	204	198
12.0	208	215	217	226	219
14.0	224	231	230	241	234
16.0	237	241	241	250	244
18.0	246	249	249	260	252
20.0	253	257	255	265	259
Subindex 1		0.0	0.1	0.0	0.0
Subindex 2		0.1	0.1	0.4	0.2
Subindex 3		0.2	0.2	0.5	0.3
Index of Performance		0.3	0.4	0.9	0.5



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Date of Test : 18.07.2010

No. of Specimen Tested : 3 nos.

The Fire Propagation Index I is 0.5 for the Galvanized Iron Sheets with known density of 7919 kg/m³ and measured thickness of 0.52 mm.

The Subindex i1 is 0.0

The Subindex i2 is 0.2

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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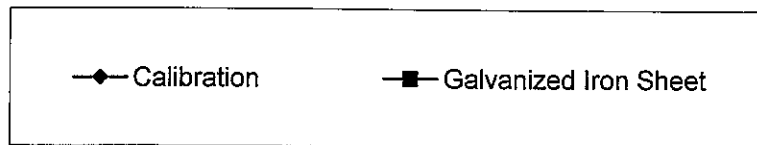
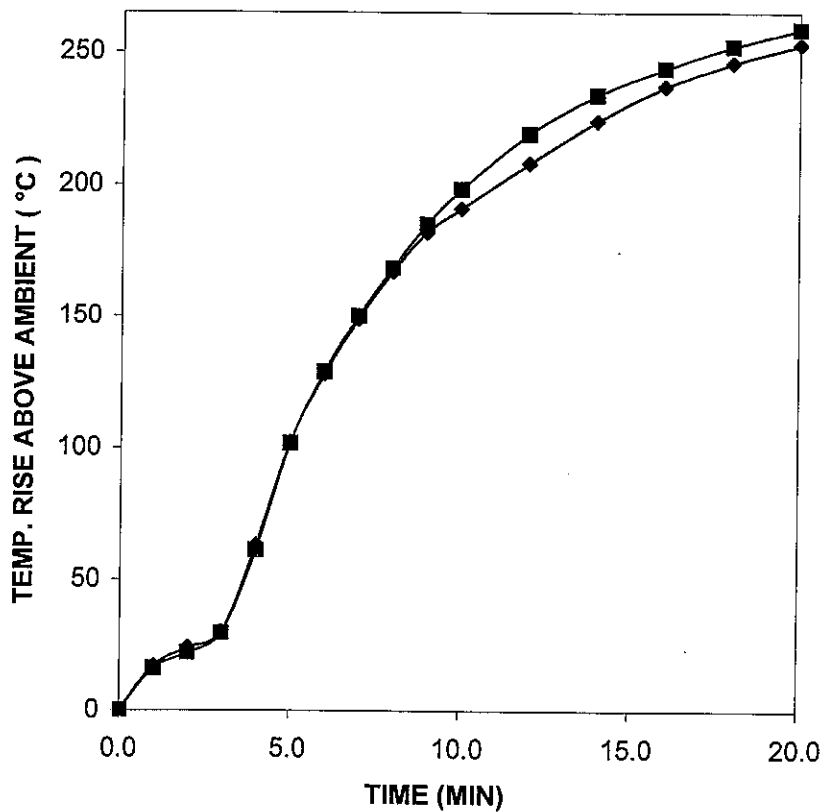
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Nominal Thickness : 0.52 mm **Nominal Steel Density** : 7850 kg/ m³
Measured Thickness : 0.52 mm **Measured Density** : 7919 kg/ m³
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