

## TEST REPORT

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Our Ref : SQAS / FET / 15 / 1 - 5

Issued by : **Fire Protection Section**

Issued date : **07 JUL 2008**

Product : **GALVANISED STEEL SHEET**

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.

Applicant : **FEDERAL IRON WORKS SDN. BHD.**  
No. 3, Jalan Keluli Satu,  
Kawasan Perindustrian Bukit Raja Selatan,  
40000 Shah Alam,  
Selangor.  
**(Attn: Mr. Mohd Aizam Mohd Unaini)**

Description of sample : 3 pieces of Galvanised Steel Sheets.  
Size of Specimen : 225mm × 225mm × 0.50 mm (measured thickness)  
Model : SGCH  
Nominal Thickness : 0.48 mm  
Density : 7592 kg/m<sup>3</sup>

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

The test specimens were sampled by Pn. Nurrulhudda Mahmud of FPST Product Certification Group, SIRIM QAS International Sdn. Bhd. on 28.04.2008. The test was requested through PP2 Form Ref. No. LF003301 dated 28.04.2008.

Date received : 26.05.2008

Job No. : J2008 506 0117

  
WAN MOHD KHAIRI WAN YAHYA  
Technical Executive



  
ZAINI AHMAD  
Group Leader  
FPST Testing Group  
Fire Protection Section  
Product Certification, Inspection and Testing Department  
SIRIM QAS International Sdn. Bhd.

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**Product** : GALVANISED STEEL SHEET  
**Model** : SGCH  
**Nominal Thickness** : 0.48 mm

**Measured Thickness** : 0.50 mm  
**Density** : 7592 kg/m<sup>3</sup>  
**Date of Test** : 07.06.2008

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	17	15	13	13	14
1.0	22	21	21	21	21
1.5	26	28	27	28	27
2.0	28	33	32	33	33
2.5	28	38	37	38	38
3.0	39	42	42	42	42
4.0	71	74	74	73	73
5.0	107	114	114	111	113
6.0	134	140	143	138	140
7.0	154	162	164	158	161
8.0	171	177	181	177	178
9.0	184	193	195	190	192
10.0	196	203	206	202	204
12.0	212	222	225	222	223
14.0	224	237	235	234	235
16.0	233	244	245	243	244
18.0	242	255	252	249	252
20.0	246	260	258	255	258
Subindex 1		0.9	0.7	0.9	0.8
Subindex 2		0.7	0.8	0.4	0.6
Subindex 3		0.4	0.4	0.3	0.4
Index of Performance		2.0	1.9	1.6	1.8



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Product : GALVANISED STEEL SHEET

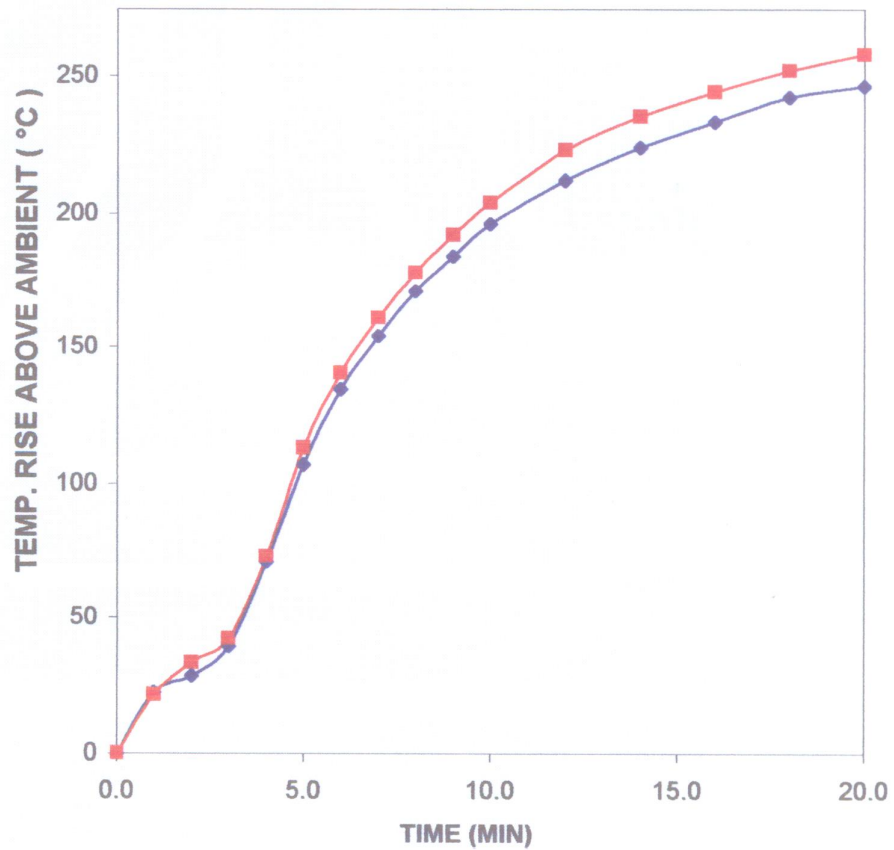
Measured Thickness : 0.50 mm

Model : SGCH

Density : 7592 kg/m<sup>3</sup>

Nominal Thickness : 0.48 mm

Date of Test : 07.06.2008



—◆— Calibration

—■— Galvanised Steel Sheet



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Date of Test : 07.06.2008

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **1.8** for the Galvanised Steel Sheet with known density of  $7592 \text{ kg/m}^3$  and measured thickness of 0.50 mm.

The Subindex i1 is 0.8

The Subindex i2 is 0.6

The Subindex i3 is 0.4

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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