



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2008FE0135	PAGE 1 OF 4
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director of SIRIM QAS International Sdn. Bhd. Please refer overleaf for conditions to the use of Test Report.	

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

Issued by : **Fire Protection Section**

Issued date : **26 JUN 2008**

Product : **GALVANISING 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 Darul Ehsan.
(Attn: Mr. Mohd. Aizam Mohd. Unaini)

Description of sample : 3 pieces of Galvanising Steel Sheets.
Size of Specimen : 225mm × 225mm × 1.0mm (measured thickness)
Model : SGCH
Nominal Thickness : 1.0mm
Density : 7793 kg/m³

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


The test specimens were sampled by Pn. Nurrulhuda 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 0115


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 : GALVANISING STEEL SHEET

Measured Thickness : 1.0mm

Model : SGCH

Date of Test : 10.06.2008

Density : 7793 kg/m³

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	16	13	14	14	14
1.0	22	19	20	21	20
1.5	27	24	26	26	25
2.0	31	30	31	31	30
2.5	35	34	36	36	35
3.0	38	38	40	40	39
4.0	70	66	74	74	71
5.0	109	106	111	116	111
6.0	133	132	138	142	137
7.0	154	154	158	163	158
8.0	171	173	177	181	177
9.0	188	188	194	196	192
10.0	200	201	204	208	204
12.0	218	220	225	228	224
14.0	231	233	237	239	236
16.0	241	244	248	251	248
18.0	248	252	254	260	255
20.0	255	258	260	265	261
Subindex 1		0.0	0.1	0.1	0.1
Subindex 2		0.0	0.5	0.8	0.5
Subindex 3		0.1	0.2	0.3	0.2
Index of Performance		0.1	0.8	1.2	0.8



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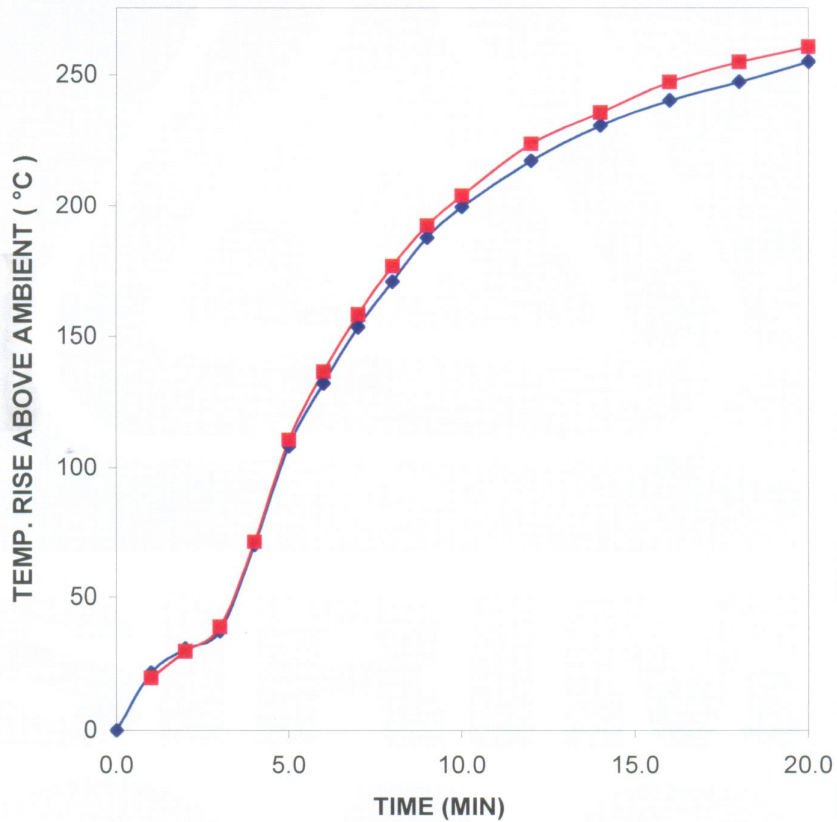
Product : GALVANISING STEEL SHEET

Measured Thickness : 1.0mm

Model : SGCH

Date of Test : 10.06.2008

Density : 7793 kg/m³



◆ Calibration

■ Galvanising Steel Sheet



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Date of Test : 10.06.2008

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.8** for the Galvanising Steel Sheet with known density of 7793 kg/m³ and measured thickness of 1.0mm.

The Subindex i1 is 0.1

The Subindex i2 is 0.5

The Subindex i3 is 0.2

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.



26 JUN 2008