



SIRIM QAS International Sdn. Bhd.

No. 1, Persiaran Dato' Menteri, P.O.Box 7035, Seksyen 2, 40911 Shah Alam, Selangor Darul Ehsan
MALAYSIA
Tel: 03-55446465 Fax: 03-55446454 http://www.sirim.my
(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2008FE0151

PAGE 1 OF 3

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 - 6
Issued by : **Fire Protection Section**
Issued date : **07 JUL 2008**
Product : **GALVANISED STEEL SHEET**
Reference Standard/ Method of test : BS 476 : Part 7: 1997
Fire Test on Building Materials and Structures
Part 7: Surface Spread of Flame Test.
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 : 6 pieces of Galvanised Steel Sheets.
Size of Specimen : 270mm × 885mm × 0.51 mm (measured thickness)
Model : SGCH
Nominal Thickness : 0.48 mm
Density : 7518 kg/m³


The specimens were tested with one of the face side exposed to the specified heating condition 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 0118


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.

TEST REPORT

REPORT NO.: 2008FE0151

PAGE 2 OF 3

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.

Name of Applicant : FEDERAL IRON WORKS (M) SDN. BHD.
Product : GALVANISED STEEL SHEET
Model : SGCH
Nominal Thickness : 0.48 mm
Measured Thickness : 0.51 mm
Density : 7518 kg/m³

Requirement

The flame spread on any specimen of the sample shall not exceed the limit assigned for the class with the proviso that for one specimen only in the sample the flame spread may exceed this limit by the tolerance shown.

Classification of Surface Spread of Flame

Classification	Flame Spread at 1½ min		Final Flame Spread	
	Limit (mm)	Tolerance for one specimen in sample (mm)	Limit (mm)	Tolerance for one specimen in sample (mm)
Class 1	165	25	165	25
Class 2	215	25	455	45
Class 3	265	25	710	75
Class 4	Exceeding Class 3 limits			



07 JUL 2008

TEST REPORT

REPORT NO.: 2008FE0151	PAGE 3 OF 3
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.	

Test Results

Product	: GALVANISED STEEL SHEET	Measured Thickness	: 0.51 mm
Model	: SGCH	Density	: 7518 kg/m ³
Nominal Thickness	: 0.48 mm	Date of Test	: 07.06.2008

Specimen No.	1	2	3	4	5	6
Spread of flame at 1½ minutes (mm)	0	0	0	0	0	0
Distance (mm)	Time of spread of flame to indicated distance (minutes . seconds)					
75	-	-	-	-	-	-
165	-	-	-	-	-	-
190	-	-	-	-	-	-
215	-	-	-	-	-	-
240	-	-	-	-	-	-
265	-	-	-	-	-	-
290	-	-	-	-	-	-
375	-	-	-	-	-	-
455	-	-	-	-	-	-
500	-	-	-	-	-	-
525	-	-	-	-	-	-
600	-	-	-	-	-	-
675	-	-	-	-	-	-
710	-	-	-	-	-	-
750	-	-	-	-	-	-
785	-	-	-	-	-	-
825	-	-	-	-	-	-
865	-	-	-	-	-	-
Time of maximum spread of flame (minutes . seconds)	-	-	-	-	-	-
Distance of maximum spread of flame (mm)	0	0	0	0	0	0

Conclusion

In accordance with the class definition specified in the standard, the test results show that the sample tested has a Class **One** Surface Spread of Flame.

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of test; they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.



07 JUL 2008