



SIRIM QAS International Sdn. Bhd.

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TEST REPORT

REPORT NO.: 2008FE0149	PAGE 1 OF 3
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Our Ref : SQAS / FET / 15 / 1 - 6

Issued by : **Fire Protection Section**

Issued date : **26 JUN 2008**

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

Description of sample : 6 pieces of Galvanising Steel Sheets.
Size of Specimen : 270mm × 885mm × 1.0mm (Measured thickness)
Model : SGCH
Nominal Thickness : 1.0mm
Density : 7778 kg/m³

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

The test specimens were sampled by Pn. Nurulhudda 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 14.02.2007.

Date received : 26.05.2008

Job No. : J2008 506 0116


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WAN MOHD KHAIRI WAN YAHYA
Technical Executive




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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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Name of Applicant : FEDERAL IRON WORKS SDN. BHD.
 Product : GALVANISING STEEL SHEET
 Model : SGCH
 Nominal Thickness : 1.0mm
 Measured Thickness : 1.0mm
 Measured Density : 7778 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			



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Test Results

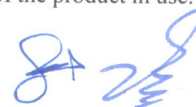
Product : GALVANISING STEEL SHEET **Measured Thickness** : 1.0mm
Model : SGCH **Date of Test** : 17.06.2008
Density : 7778 kg/m³

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.



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