



**SIRIM QAS International Sdn. Bhd.**

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**TEST REPORT**

REPORT NO.: 2008FE0283

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Our Ref : SQAS / FET / 15 / 1 - 6

Issued by : Fire Protection Section

Issued date : 27 NOV 2008

Product : GALVANIZED IRON 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 : GROUP STEEL CORP. (M) SDN. BHD.  
180 Kawasan Industri Ayer Keroh,  
Ayer Keroh,  
45450 Melaka.  
(Attn: Mr. Lew Ren Shang)

Description of sample : 6 pieces of Galvanized Iron Sheets.  
Size of Specimen : 270mm × 885mm × 1.51 mm (measured thickness)  
Nominal Thickness : 1.50 mm  
Density : 8469 kg/m<sup>3</sup>


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

Date received : 24.06.2008

Job No. : J2008 506 0144

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WAN MOHD KHAIRI WAN YAHYA  
Testing 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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**Name of Applicant** : GROUP STEEL CORP. (M) SDN. BHD.  
**Product** : GALVANIZED IRON SHEET  
**Nominal Thickness** : 1.50 mm  
**Measured Thickness** : 1.51 mm  
**Density** : 8469 kg/m<sup>3</sup>

### 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** : GALVANIZED IRON SHEET

**Nominal Thickness** : 1.50 mm

**Density** : 8469 kg/m<sup>3</sup>

**Measured Thickness** : 1.51 mm

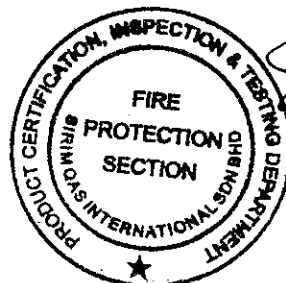
**Date of Test** : 18.11.2008

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.



27 NOV 2008