



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.:** 2010FE0176

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Our Ref : SQAS / FPS / 15 / 1 - 6  
Issued by : Fire Protection Section  
Issued date : 13 MAY 2010  
Product : GALVANIZED IRON SHEET (BMT 1.2 MM)  
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 : CSC STEEL SDN. BHD.  
180, Kawasan Industri Ayer Keroh,  
Ayer Keroh,  
75450 Melaka.  
(Attn: Mr. Chan Hian How)  
Description of sample : 6 pieces of Galvanized Iron Sheets.  
Size of Specimen : 270mm x 885mm x 1.2 mm (Measured thickness)  
Nominal Thickness : BMT 1.2 mm ± 0.3 mm  
Nominal Density : 7850 kg/m<sup>3</sup> ± 10%  
Measured Density : 7737 kg/m<sup>3</sup>  
The specimens were tested with the face side exposed to the specified heating condition of the fire test.  
Date received : 03.03.2010  
Job No. : J20105060094

.....  
**WAN MOHD KHAIRI WAN YAHYA**  
Testing Executive



.....  
**ZAINI AHMAD**  
Group Leader  
Fire Protection Section  
Testing Services Department  
SIRIM QAS International Sdn. Bhd.

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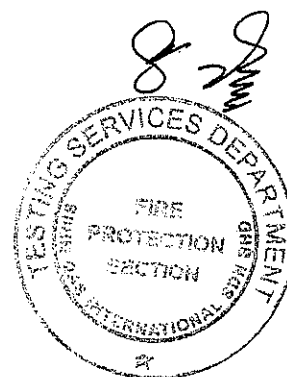
Name of Applicant : CSC STEEL SDN. BHD.  
 Product : Galvanized Iron Sheet (BMT 1.2 mm)  
 Nominal Thickness : BMT 1.2 mm  $\pm$  0.3 mm  
 Nominal Density : 7850 kg/m<sup>3</sup>  $\pm$  10%  
 Measured Density : 7737 kg/m<sup>3</sup>  
 Measured Thickness : 1.2 mm  
 Date of Test : 07.04.2010

### 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		3 limits	



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### Test Results

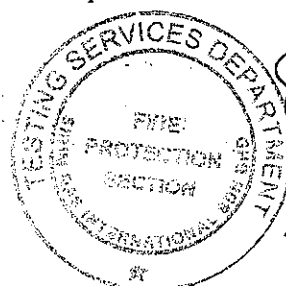
**Product** : Galvanized Iron Sheet (BMT 1.2 mm)      **Measured Thickness** : 1.2 mm  
**Density** : 7737 kg/m<sup>3</sup>      **Date of Test** : 07.04.2010

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.



*[Handwritten signature]*

13 MAY 2010