



**SIRIM QAS International Sdn. Bhd.**

No. 1, Persiaran Dato' Menteri, P.O.Box 7035, Seksyen 2, 40700 Shah Alam, Selangor Darul Ehsan  
MALAYSIA  
Tel: 03-55446465 Fax: 03-55446454 http://www.sirim.my  
(Company No: 410334-X)

**TEST REPORT**

**REPORT NO.: 2012FE0341**

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Applicant/  
Manufacturer : **CSC STEEL SDN. BHD.**  
180, Kawasan Industri Ayer Keroh,  
75450 Ayer Keroh,  
Melaka.  
(Attn: Mr. Lew Ren Shang)

Product : **PRE-PAINTED GALVANIZED STEEL SHEET CGCC 0.42MM (BMT)**

Reference Standard/  
Method of Test : **BS 476 : Part 7: 1997**  
Fire Test on Building Materials and Structures  
Part 7: Surface Spread of Flame Test.

Description of Test : **6 pieces of Pre-Painted Galvanized Steel Sheet CGCC 0.42mm (BMT).**  
Specimen  
Size of Specimen : 270mm × 885mm × 0.45 mm (measured thickness)  
Nominal Thickness : 0.42 mm  
Measured Density : 7604 kg/m<sup>3</sup>

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

Date Received : 03.09.2012

Date of Test : 21.09.2012

Job No./ Ref No. : J20121280309 /SQAS/FPS/15/1-6

Test Result : **Classification of Surface Spread of Flame Test : Class 1**

Issued Date : **16 OCT 2012**

**ABDULLAH SYAHRIL MAT JANI**  
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** : PRE-PAINTED GALVANIZED STEEL SHEET CGCC 0.42MM (BMT)  
**Nominal Thickness** : 0.42 mm  
**Measured Thickness** : 0.45 mm  
**Measured Density** : 7604 kg/m<sup>3</sup>  
**Date of Test** : 21.09.2012

### 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** : PRE-PAINTED GALVANIZED STEEL SHEET CGCC 0.42MM (BMT)  
**Nominal Thickness** : 0.42 mm                      **Measured Density** : 7604 kg/m<sup>3</sup>  
**Measured Thickness** : 0.45 mm                      **Date of Test** : 21.09.2012

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

16 OCT 2012