



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.: 2009FE0068

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 Managing Director of SIRIM QAS International Sdn. Bhd. Please refer overleaf for conditions to the use of Test Report.

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

Issued by : Fire Protection Section

Issued date : 09 APR 2009

Product : PREPAINTED GALVANIZED STEEL SHEET (MARK BLUE)

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

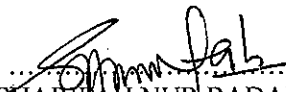
Applicant : CSC STEEL SDN. BHD.  
180, Kawasan Industri Ayer Keroh,  
Ayer Keroh,  
75450 Melaka.  
(Attn: Mr. Lew Ren Shang)

Description of sample : 6 pieces of Prepainted Galvanized Steel Sheets (Mark Blue).  
Size of Specimen : 270mm × 885mm × 0.44 mm (measured thickness)  
Brand : BMT 0400 mm, Z18  
Density : 7487 kg/m<sup>3</sup>


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

Date received : 10.03.2009

Job No. : J2009 506 0049

  
SHARIFAH NUR BADARIAH  
Testing Executive



  
ZAINI AHMAD  
Deputy Head  
Fire Protection Section  
Testing Services Department  
SIRIM QAS International Sdn. Bhd.

## TEST REPORT

<b>REPORT NO.:</b> 2009FE0068	<b>PAGE</b> 2 <b>OF</b> 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 Managing Director of SIRIM QAS International Sdn. Bhd.	

**Name of Applicant** : CSC STEEL SDN. BHD.  
**Product** : PREPAINTED GALVANIZED STEEL SHEET (MARK BLUE)  
**Brand** : BMT 0400 mm, Z18  
**Measured Thickness** : 0.44 mm  
**Density** : 7487 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			



09 APR 2009

## TEST REPORT

REPORT NO.: 2009FE0068

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 Managing Director of SIRIM QAS International Sdn. Bhd.

### Test Results

**Product** : PREPAINTED GALVANIZED STEEL SHEET (MARK BLUE)

**Brand** : BMT 0400 mm, Z18

**Measured Thickness** : 0.44 mm

**Density** : 7487 kg/m<sup>3</sup>

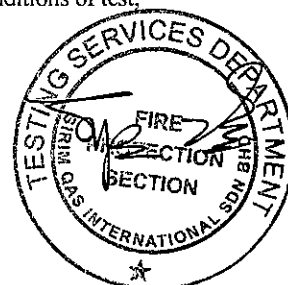
**Date Of Test** : 19.03.2009

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.



09 APR 2009