



**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.: 2012FE0218

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.

Applicant/ Manufacturer : **CSC STEEL SDN. BHD.**  
180, Kawasan Industri Ayer Keroh,  
75450 Ayer Keroh,  
Melaka.  
(Attn: Ms. Cheng Le Shi)

Product : **THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12 0.50MM (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 Specimen : **6 pieces of Thin Organic Coating Galvanized Iron Sheet SGC570 Z12 0.50mm (BMT).**  
Size of Specimen : 270mm × 885mm × 0.50 mm (measured thickness)  
Nominal Thickness : 0.50 mm  
Measured Density : 7987 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 : 29.05.2012

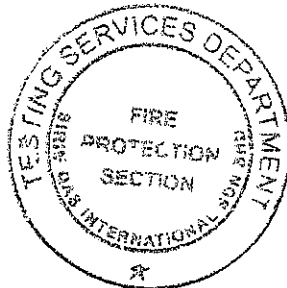
Date of Test : 06.06.2012

Job No./ Ref No. : J20121280185 /SQAS/FPS/15/1-6

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

Issued Date : 05 JUL 2012

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



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

## TEST REPORT

|  |                           |
|--|---------------------------|
| <b>REPORT NO.:</b> 2012FE0218  | <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** : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12  
0.50MM (BMT)

**Nominal Thickness** : 0.50 mm

**Measured Thickness** : 0.50 mm

**Measured Density** : 7987 kg/m<sup>3</sup>

**Date of Test** : 06.06.2012

**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           |   |



05 JUL 2012

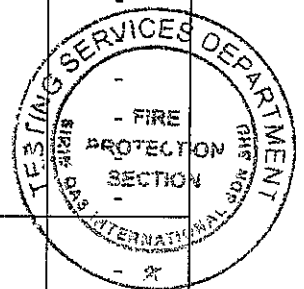
## TEST REPORT

|   |                           |
|---|---------------------------|
| <b>REPORT NO.:</b> 2012FE0218   | <b>PAGE</b> 3 <b>OF</b> 3 |
| <small>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.</small> |                           |

### Test Results

**Product** : THIN ORGANIC COATING GALVANIZED IRON SHEET SGC570 Z12  
 0.50MM (BMT)  
**Nominal Thickness** : 0.50 mm                      **Measured Density** : 7987 kg/m<sup>3</sup>  
**Measured Thickness** : 0.50 mm                      **Date of Test** : 06.06.2012


| 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 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.

  
 05 JUL 2012