



**SIRIM QAS International Sdn. Bhd.**

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(Company No: 410334-X)

**TEST REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>REPORT NO.:</b> 2012FE0340                                                                                                                                                                                                                                                                                                                                                                                                              | <b>PAGE</b> 1 <b>OF</b> 4 |
| 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: Mr. Lew Ren Shang)

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

Reference Standard/ Method of Test : BS 476: Part 6: 1989+A1:2009  
Fire Test on Building Materials and Structures  
Part 6: Method of Test for Fire Propagation for Products.

Description of Test Specimen : 3 pieces of Pre-Painted Galvanized Steel Sheet CGCC 0.42mm (BMT).  
Size of Specimen : 225mm × 225mm × 0.45 mm (measured thickness)  
Nominal Thickness : 0.42 mm  
Measured Density : 7589 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 : 26.09.2012  
Job No./ Ref No. : J20121280308 /SQAS/FPS/15/1-5

|               |                    |                    |                    |                                   |
|---------------|--------------------|--------------------|--------------------|-----------------------------------|
| Test Result : | <b>Subindex i1</b> | <b>Subindex i2</b> | <b>Subindex i3</b> | <b>Fire Propagation Index (I)</b> |
|               | <b>0.0</b>         | <b>0.0</b>         | <b>0.0</b>         | <b>0.0</b>                        |

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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**Product** : PRE-PAINTED GALVANIZED STEEL SHEET CGCC 0.42MM (BMT)  
**Nominal Thickness** : 0.42mm **Measured Density** : 7589 kg/m<sup>3</sup>  
**Measured Thickness** : 0.45 mm **Date of Test** : 26.09.2012

| Time<br>(Min.)       | Temperature Rise Above Ambient (°C) |               |               |               |                     |
|----------------------|-------------------------------------|---------------|---------------|---------------|---------------------|
|                      | Calibration                         | Specimen<br>A | Specimen<br>B | Specimen<br>C | Specimen<br>Average |
| 0.5                  | 15                                  | 12            | 11            | 14            | 12                  |
| 1.0                  | 20                                  | 14            | 14            | 17            | 15                  |
| 1.5                  | 25                                  | 17            | 17            | 21            | 18                  |
| 2.0                  | 29                                  | 20            | 20            | 24            | 21                  |
| 2.5                  | 33                                  | 23            | 24            | 28            | 25                  |
| 3.0                  | 36                                  | 27            | 27            | 32            | 28                  |
| 4.0                  | 67                                  | 58            | 56            | 60            | 58                  |
| 5.0                  | 103                                 | 95            | 92            | 99            | 95                  |
| 6.0                  | 126                                 | 121           | 121           | 126           | 122                 |
| 7.0                  | 147                                 | 141           | 144           | 147           | 144                 |
| 8.0                  | 165                                 | 162           | 161           | 165           | 162                 |
| 9.0                  | 181                                 | 178           | 176           | 179           | 178                 |
| 10.0                 | 195                                 | 188           | 188           | 192           | 189                 |
| 12.0                 | 215                                 | 206           | 209           | 210           | 208                 |
| 14.0                 | 230                                 | 221           | 224           | 228           | 224                 |
| 16.0                 | 241                                 | 231           | 236           | 237           | 234                 |
| 18.0                 | 250                                 | 241           | 243           | 248           | 244                 |
| 20.0                 | 258                                 | 247           | 250           | 256           | 251                 |
| Subindex 1           |                                     | 0.0           | 0.0           | 0.0           | 0.0                 |
| Subindex 2           |                                     | 0.0           | 0.0           | 0.0           | 0.0                 |
| Subindex 3           |                                     | 0.0           | 0.0           | 0.0           | 0.0                 |
| Index of Performance |                                     | 0.0           | 0.0           | 0.0           | 0.0                 |



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Date of Test : 26.09.2012

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **0.0** for the Pre-Painted Galvanized Steel Sheet CGCC 0.42mm (BMT) with measured density of 7589 kg/m<sup>3</sup> and measured thickness of 0.45 mm.

**The Subindex i1 is 0.0**

**The Subindex i2 is 0.0**

**The Subindex i3 is 0.0**

The test results relate only to the behavior of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



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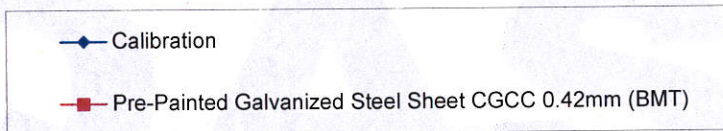
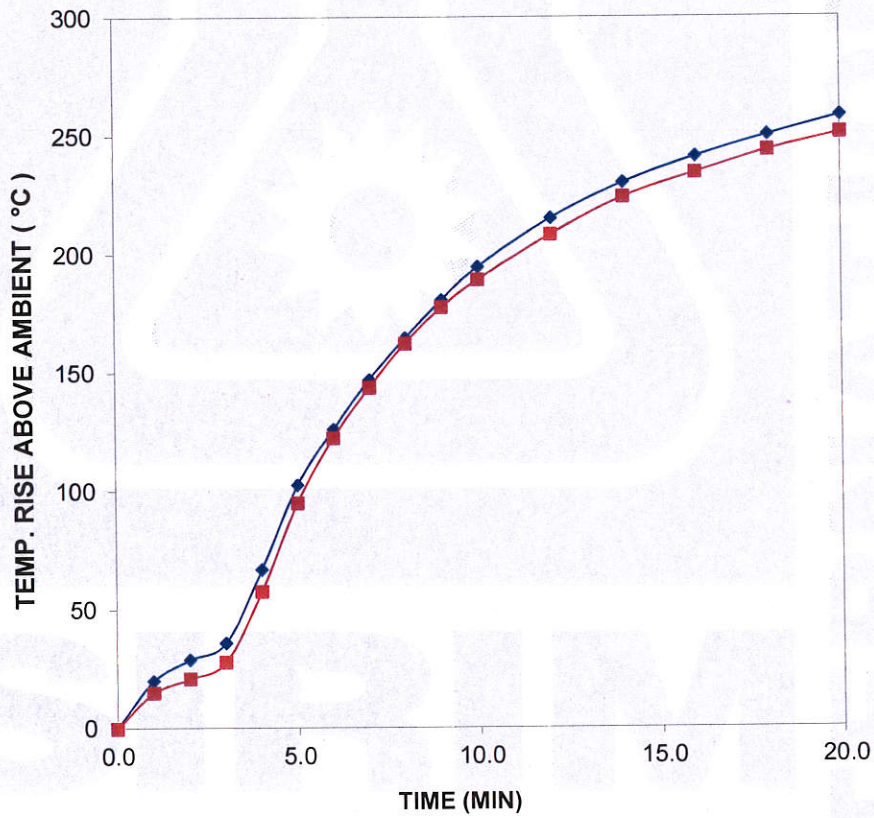
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**Product** : PRE-PAINTED GALVANIZED STEEL SHEET CGCC 0.42MM (BMT)  
**Nominal Thickness** : 0.42mm **Measured Density** : 7589 kg/m<sup>3</sup>  
**Measured Thickness** : 0.45 mm **Date of Test** : 26.09.2012



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