

## TEST REPORT

REPORT NO.: 2018FE0544

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### THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

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

Product : **PRE- PAINTED GALVANIZED STEEL SHEET**

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 : 9 pieces of Pre-Painted Galvanized Steel Sheet.  
Size of Specimen : 270mm x 885mm x 0.47mm (measured thickness)  
Brand : realcolor®  
Nominal Thickness : 0.42 mm  
Measured Density : 7389 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 : 19.07.2018

Job No./ Ref No. : J20181440450 /SQAS/FPS/15/1-6

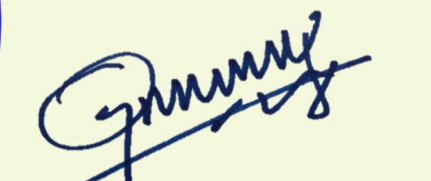
Test Result : **Classification of Surface Spread of Flame Test** : **Class 1**

Issued Date : 30 August 2018

Approved Signatory



(MUHAMMAD SAFUAN MUSA)  
Testing Executive



(AZMI MUSA)  
Head  
Fire Protection Section  
Testing Services Department

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**Name of Applicant** : CSC STEEL SDN. BHD.  
**Product** : PRE-PAINTED GALVANIZED STEEL SHEET  
**Brand** : realcolor®  
**Nominal Thickness** : 0.42 mm  
**Measured Thickness** : 0.47 mm  
**Measured Density** : 7389 kg/m<sup>3</sup>  
**Date of Test** : 20.08.2018

### 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

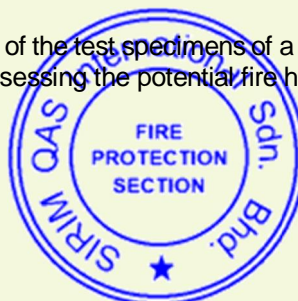
**Product** : PRE-PAINTED GALVANIZED STEEL SHEET      **Nominal Thickness** : 0.42 mm  
**Brand** : realcolor®      **Measured Thickness** : 0.47 mm  
**Date of Test** : 20.08.2018      **Measured Density** : 7389 kg/m<sup>3</sup>

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.



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  - a) Informing and placing a notice in the media;
  - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
  - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
  - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
  - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
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11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings;
  - a) Misprints and typo errors
  - b) Missing technical information
  - c) Test data not reported
  - d) Mistake in reporting of test data