

TEST REPORT

REPORT NO.: 2016FE0455

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

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 × 885mm × 0.40mm (measured thickness)
Brand : realcolor®
Nominal Thickness : 0.40 mm
Measured Density : 8840 kg/m³

Descriptions of sample as claimed by the submitter:

Topcoat : 20 microns
Topcoat Primer : 5 microns
Backcoat Primer : 5 microns
Backcoat : 7 microns

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

Date Received : 08.08.2016


Date of Test : 07.09.2016

Job No./ Ref No. : J20161440418 /SQAS/FPS/15/1-6


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

Issued Date : 28 SEP 2016

Approved Signatories :


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MUHAMMAD SAFUAN MUSA
Testing Executive




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ROHAYA IBRAHIM
Head
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
Brand : realcolor®
Nominal Thickness : 0.40 mm
Measured Thickness : 0.40 mm
Measured Density : 8840 kg/m³
Date of Test : 07.09.2016

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	



28 SEP 2016

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Test Results

Product : PRE-PAINTED GALVANIZED STEEL SHEET Nominal Thickness : 0.40 mm
 Brand : realcolor® Measured Thickness : 0.40 mm
 Date of Test : 07.09.2016 Measured Density : 8840 kg/m³

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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28 SEP 2016