



SIRIM QAS International Sdn. Bhd.

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(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2010FE0283

PAGE: 1 OF 3

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

Product : **GALVANIZED IRON SHEET SGC 570 Z12 0.80 mm (BMT)**

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

Description of test specimen : 6 pieces of Galvanized Iron Sheets
Size of Specimen : 270mm × 885mm × 0.82 mm (measured thickness)
Nominal Thickness : 0.80 mm
Nominal Steel Density : 7850 kg/ m³
Measured Density : 7867 kg/ m³

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

Date of test : 08.07.2010

Date received : 28.06.2010

Job No./ Ref No. : J20105060231 SQAS/FPS/15/1-6

Issued date : 30 JUL 2010

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WAN MOHD KHAIRI WAN YAHYA
Testing Executive



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

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PAGE 2 OF 3

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Name of Applicant : CSC STEEL SDN. BHD.
Product : GALVANIZED IRON SHEET SGC 570 Z12 0.80 mm (BMT)
Nominal Thickness : 0.80 mm
Nominal Steel Density : 7850 kg/m³
Measured Thickness : 0.82 mm
Measured Density : 7867 kg/m³

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	



30 JUL 2010

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PAGE 3 OF 3

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Test Results

Product : GALVANIZED IRON SHEET SGC 570 Z12 0.80 mm (BMT)
Nominal Thickness : 0.80 mm **Nominal Steel Density** : 7850 kg/m³
Measured Thickness : 0.82 mm **Measured Density** : 7867 kg/m³
Date of Test : 08.07.2010

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.

30 JUL 2010

