

SIRIM QAS International Sdn. Bhd.

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TEST REPORT

REPORT NO.: 2014FE0329

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Applicant/

CSC STEEL SDN. BHD.

Manufacturer

180, Kawasan Industri Ayer Keroh,

75450 Ayer Keroh,

Melaka.

(Attn: Ms. Yu Chee Yee)

Product

GALVANIZED STEEL SHEET

Reference Standard/

BS 476: Part 7: 1997

Method of Test

Fire Test on Building Materials and Structures

Part 7: Surface Spread of Flame Test.

Description of Test

6 pieces of Galvanized Steel Sheet.

Specimen

270mm × 885mm × 1.60mm (measured thickness)

Brand

realzinc™

Model

1.60mm

Measured Density

Size of Specimen

7841 kg/m³

The specimens were tested with the face side exposed to the specified heating condition

of the fire test.

Date Received

05.06.2014

Date of Test

: 07.07.2014

Job No./ Ref No.

J20141440295 /SQAS/FPS/15/1-6

Test Result

Classification of Surface Spread of Flame Test

: Class 1

Issued Date

2 1 JUL 2014

MUHAMMAD SAFUAN MUSA

Testing Executive

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

GALVANIZED STEEL SHEET

Brand

: realzincTM

Model

1.60mm

Measured Thickness

1.60 mm

Measured Density

7841 kg/m³

Date of Test

07.07.2014

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	Flam	e 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 : GALVANIZED STEEL SHEET Measured Thickness : 1.60 mm

Brand : realzinc[™] : Measured Density : 7841 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	7=	-	-	-	a - 1	=		
240	(=)	-	-	-	2-3	-		
265	-	-	-	-	1-2	-		
290	-	7-	-	-	-	-		
375	-	-	-	u -	-0	-		
455	-	-	-	-	-:	-		
500	-	-	-	-		-		
525	-	-	-	-	-	=		
600	-	-	-		-			
675	-	_	-	-	-	-		
710	-	-	-	-	-	-		
750	-	-	-	-3	-	-		
785	-		,-	-	-	-		
825	-	-	-	-	-	-		
865	Ξ	· =	-	-	-	-		
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.

2 1 JUL 2014