



SIRIM QAS International Sdn. Bhd.

No. 1, Persiaran Dato' Menteri, P.O.Box 7035, Seksyen 2, 40911 Shah Alam, Selangor Darul Ehsan
MALAYSIA
Tel: 03-55446465 Fax: 03-55446454 http://www.sirim.my
(Company No: 410334-X)

TEST REPORT

REPORT NO.: 2008FE0283

PAGE 1 OF 3

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.

Our Ref : SQAS / FET / 15 / 1 - 6

Issued by : Fire Protection Section

Issued date : 27 NOV 2008

Product : GALVANIZED IRON 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.

Applicant : GROUP STEEL CORP. (M) SDN. BHD.
180 Kawasan Industri Ayer Keroh,
Ayer Keroh,
45450 Melaka.
(Attn: Mr. Lew Ren Shang)

Description of sample : 6 pieces of Galvanized Iron Sheets.
Size of Specimen : 270mm × 885mm × 1.51 mm (measured thickness)
Nominal Thickness : 1.50 mm
Density : 8469 kg/m³

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


Date received : 24.06.2008

Job No. : J2008 506 0144

.....

WAN MOHD KHAIRI WAN YAHYA
Testing Executive



.....

ZAINI AHMAD
Group Leader
FPST Testing Group
Fire Protection Section

Product Certification, Inspection and Testing Department
SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO.: 2008FE0283

PAGE 2 OF 3

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.

Name of Applicant : GROUP STEEL CORP. (M) SDN. BHD.
Product : GALVANIZED IRON SHEET
Nominal Thickness : 1.50 mm
Measured Thickness : 1.51 mm
Density : 8469 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			



27 NOV 2008

TEST REPORT

REPORT NO.: 2008FE0283

PAGE 3 **OF** 3

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.

Test Results

Product : GALVANIZED IRON SHEET

Nominal Thickness : 1.50 mm

Density : 8469 kg/m³

Measured Thickness : 1.51 mm

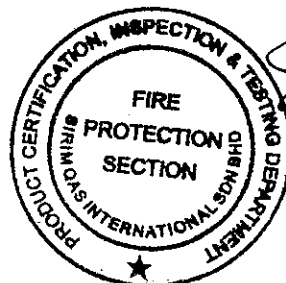
Date of Test : 18.11.2008

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 behaviour 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.



27 NOV 2008