

Test Report

No. AJD201301928

Date: APR.18, 2013

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NANTONG JOSSON NEW MATERIAL TECHNOLOGY CO., LTD

CHUANGYE ROAD INDUSTRIAL ZONE(W), LIUQIAO TOWN, TONGZHOU, NANTONG CITY, JIANGSU, CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description: JOSSONGRATE (POWERGRATE) MOLDED FIBREGLASS GRATING

Type/Style: IFR-25(ISOPHTHALIC RESIN), 1/2" THICK X 1-1/2" X 1-1/2" SQUARE MESH

Thickness: 1/2"

Composition: FIBREGLASS AND RESIN

Manufacturer: NANTONG JOSSON NEW MATERIAL TECHNOLOGY CO., LTD

Country of Origin: CHINA

Test Requested:

ASTM E162:2012 Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : APR.10, 2013

Test Performing Date : APR.10, 2013 TO APR.17, 2013

Signed for and on behalf of
SGS-CSTC Co., Ltd.



Allen Zou
Technical Supervisor

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I. Test conducted

This test is conducted accordance with ASTM E162:2012 Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source

II. Test details

Description	JOSSONGRATE (POWERGRATE) MOLDED FIBREGLASS GRATING
Thickness	About 13mm
Color	Yellow
Dimension	About 457mm×152mm

Conditioning:

Prior to testing, the submitted sample was dried for 24 h at 60±3°C and then conditioned at an ambient temperature 23±3°C and RH 50±5% till constant weight

Calculation Factors:

C=5.7, β=30(°C/kW)

III. Test Results

Specimen No.	Flame Progression (s)					Net Stack Temperature Rise (°C)	Q	Fs	Is
	3.0 "	6.0 "	9.0 "	12.0 "	15.0 "				
1	NI	NI	NI	NI	NI	5	0.95	1	0.95
2	NI	NI	NI	NI	NI	5	0.95	1	0.95
3	NI	NI	NI	NI	NI	6	1.14	1	1.14
4	NI	NI	NI	NI	NI	5	0.95	1	0.95
Average									1.0

Where, NI---Not Ignition

Observations

Specimen No.	Sustained Flame Front Ignition at, (s)	All Flaming Out (mm: s)	Test End (mm: s)	Drips Flame on Test Floor (Yes/No)
1	--	--	15 :00	No
2	--	--	15 :00	No
3	--	--	15 :00	No
4	--	--	15 :00	No

To be continued...

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STATEMENTS:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

The specimen was supplied by the sponsor and SGS-CSTC ANJI Branch was not involved in any selection or sampling procedure.

Photo Appendix:



End of Report

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