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Client Ref. : -

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Report No. : G10009FU100017



**REPORT ON IGNITABILITY OF BUILDING PRODUCTS SUBJECTED TO
DIRECT IMPINGEMENT OF FLAME - SINGLE-FLAME SOURCE TEST**

Information Supplied by Client

Client : Guangzhou Yajiang Photoelectric Equipment Co., Ltd.
Client Address : No. 18 Huahui Road, Huashan Town, Huadu District, Guangzhou, China
Project : drapeLED(YG-LED502)
Location : -
Sample Description : drapeLED(YG-LED502); 600 x 400 x 5 cm

Laboratory Information

Lab. Sample I.D. : FU100017
Date Received : 08/03/2010
Date Test Started : 08/03/2010
Date Test Completed : 11/03/2010
Test Method : EN ISO 11925-2:2002

Test Results

Conditioning treatment	Temperature: 21/25 °C; Relative humidity 45/55 %; Time: 73 h						
Substrate	-	Method of fixing	-	Exposure condition	Surface exposure		
Flame application time (s)	30		Position of flame application	The centre line of the specimen, 40mm above the bottom edge			
	Lengthwise			Crosswise			Specification of BS EN 13501-1:2007
Lab. Sample I.D.	FU100017/1	FU100017/2	FU100017/3	FU100017/4	FU100017/5	FU100017/6	
Whether ignition occurs	Yes	Yes	Yes	Yes	Yes	Yes	
The total test duration(s)	60	60	60	60	60	60	
The flame tip reaches point above the flame application point in the total test duration(mm)	78	80	80	82	93	108	-
The time at which the flame tip reaches 150 mm(s)	-	-	-	-	-	-	-
Whether ignition of the filter paper occurs	No	No	No	No	No	No	-
Observations made during the test	-						

Remarks: 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.

Checked by: Jiny Date: 16/03/2010 Certified by: Bins Date: 16/03/2010
FU-R-6(22/6/2009) Hu Zhen Bin (Technical Manager)



Client Ref. : -

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Report No. : G10009FU100017(1)



REPORT ON BUILDING PRODUCTS EXCLUDING FLOORINGS EXPOSED TO THE THERMAL ATTACK BY A SINGLE BURNING ITEM

Information Supplied by Client

Client : Guangzhou Yajiang Photoelectric Equipment Co., Ltd.
Client Address : No. 18 Huahui Road, Huashan Town, Huadu District, Guangzhou, China
Project : drapeLED(YG-LED502)
Location : -
Sample Description : drapeLED(YG-LED502); 600 x 400 x 5 cm

Laboratory Information

Lab. Sample I.D. : FU100017
Date Received : 08/03/2010
Date Test Started : 08/03/2010
Date Test Completed : 11/03/2010
Test Method : EN 13823:2002

Test Results

Conditioning treatment	Temperature: 21/25 °C; Relative humidity 45/55 %; Time: 48 h		
Description of substrate and fixing to the substrate	The specimen hang vertically fixed in the test, no substrate. The air gaps between specimen and backing board is 50mm.		
Lab. Sample I.D.	FU100017/11	FU100017/12	FU100017/13
FLGRA _{0.2MJ} (W/s)	7	14	11
FLGRA _{0.4MJ} (W/s)	7	14	11
LFS	< edge of specimen	< edge of specimen	< edge of specimen
THR _{600s} (MJ)	1.0	1.7	1.4
SMOGRA (m ² /s ²)	9	15	17
TSP _{600s} (m ²)	35	47	43
Flaming droplets/particles	No	No	No
Observations made during the test	-		

Remarks: 1. 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.

2. The graphs of HRR_{av}(t), THR(t), 1000×HRR_{av}(t)/(t-300), SPR_{av}(t), TSP(t), 10000×SPR_{av}(t)/(t-300), test configuration and sample after test are shown on pages 2~4 of this report.

3. The sample was sub-contractors to a laboratory of CNAS for testing.

Checked by: Jiny Date: 16/03/2010 Certified by: B Date: 16/03/2010
Hu Zhen Bin (Technical Manager)

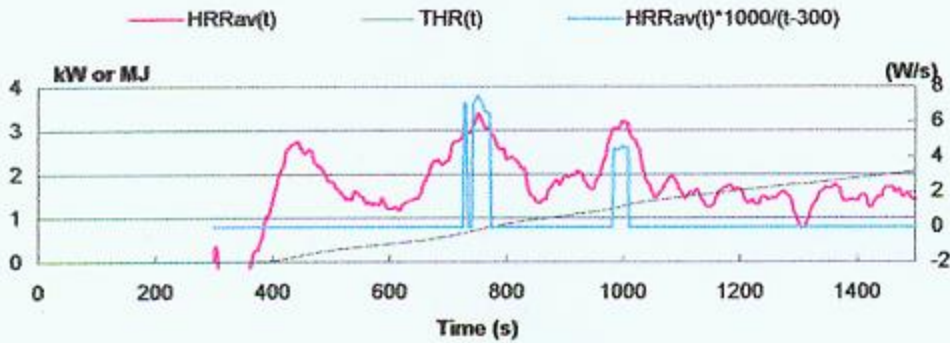


Client Ref. : -

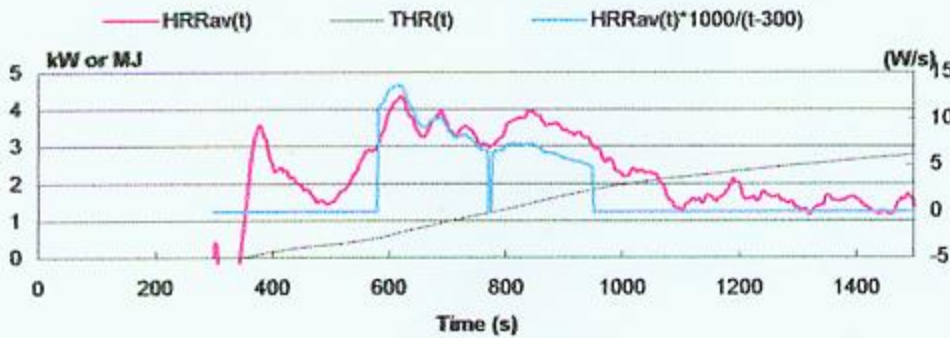
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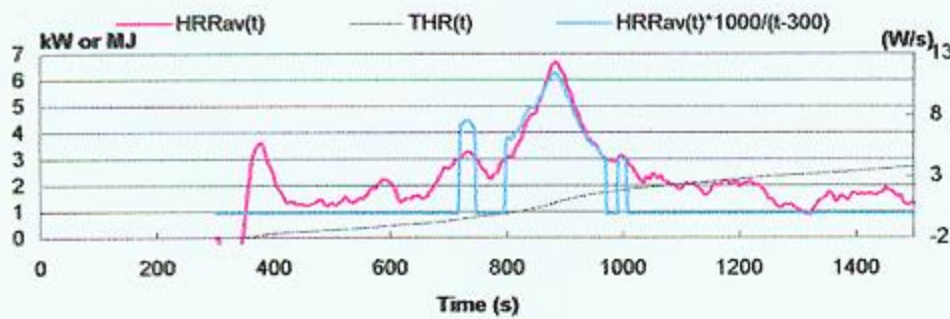
Graphs of $HRR_{av}(t)$, $THR(t)$ and $1000 \times HRR_{av}(t)/(t-300)$



Sample I.D. : FU100017/11



Sample I.D. : FU100017/12



Sample I.D. : FU100017/13

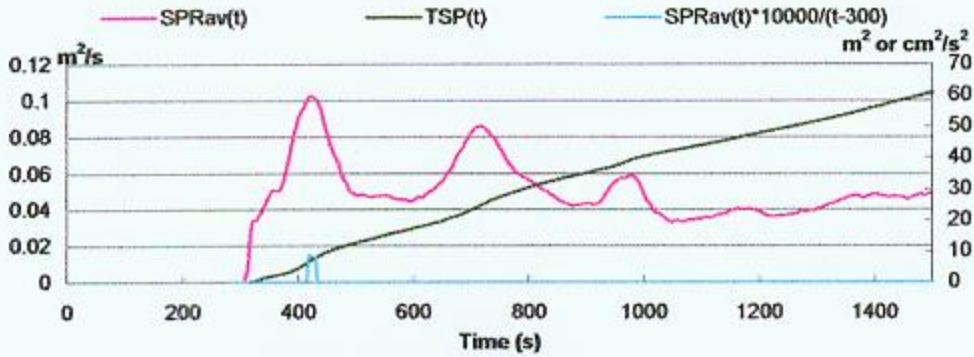


Client Ref. : -

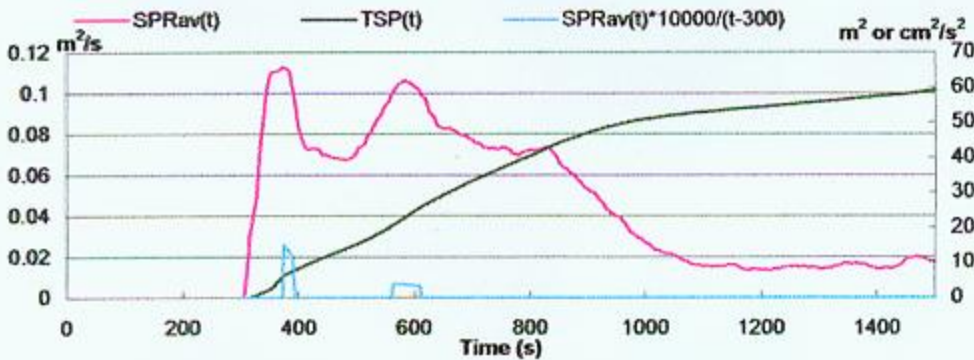
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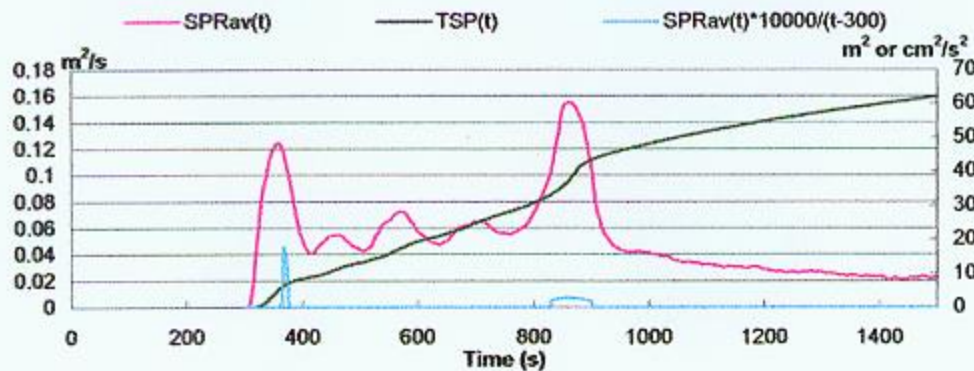
Graphs of $SPR_{av}(t)$, $TSP(t)$ and $10000 \times SPR_{av}(t)/t-300$



Sample I.D. : FU100017/11



Sample I.D. : FU100017/12



Sample I.D. : FU100017/13

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Long wing (left)



Short wing (right)

Test configuration



Long wing (left)



Short wing (right)

Sample after test



广州市辉固技术服务有限公司
FUGRO TECHNICAL SERVICES (GUANGZHOU) LIMITED

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Report No. : G10009FU100017(2)



REPORT ON CLASSIFICATION OF RECTION TO FIRE

Information Supplied by Client

Sponsor : Guangzhou Yajiang Photoelectric Equipment Co., Ltd.
 Sponsor Address : No. 18 Huahui Road, Huashan Town, Huadu District, Guangzhou, China
 Project : drapeLED(YG-LED502)
 Product Description : drapeLED(YG-LED502); 600 x 400 x 5 cm

Test reports & test results in support of classification

Test Reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Fugro Technical Services (Guang zhou) Limited	Guangzhou Yajiang Photoelectric Equipment Co., Ltd.	G10009FU100017	EN ISO 11925-2:2002
Fugro Technical Services (Guang zhou) Limited	Guangzhou Yajiang Photoelectric Equipment Co., Ltd.	G10009FU100017(1)	EN 13823:2002

Test Results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823:2002	FIGRA \leq 120 W/s	3	11 W/s	-
	LFS < edge of specimen		-	Compliant
	THR _{600s} \leq 7.5 MJ		1.4 MJ	-
	SMOGR _A \leq 30 m ² /s ²		14 m ² /s ²	-
	TSP _{600s} \leq 50 m ²		42 m ²	-
	No flaming droplets/particles		-	Compliant
EN ISO 11925-2:2002	F _s \leq 150 mm within 60s	6	87 mm	-

Classification and field of application

This classification has been carried out in accordance with EN 13501-1:2007.

Classification

The product, laminated sheet, in relation to its reaction to fire behaviour is classified: **B**

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets / particles is: **d0**

Reaction to fire classification: B-s1,d0

Field of application

This classification is valid for the following product parameters : -

This classification is valid for the following end use applications : The specimen hang vevtically fixed in the test, no substrate, and the air gaps between specimen and backing board is 50mm.

Limitations: This classification document does not represent type approval or certification of the product.

Checked by: Jimmy Date: 16/03/2010 Certified by: B Date: 16/03/2010
 Hu Zhen Bin (Technical Manager)

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