

classification report

Bodycote

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Name:

LG HI-MACS

Report No:

167467

Issue No:

1

Prepared for:

LG Chem Europe GmbH,
Frankfurt Am Main, Lancy
Branch, Petit-Lamcy, 1213,
Switzerland

Date:

19th October 2007

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	LG Chem Europe GmbH	WF 166566	EN ISO 11925-2
Bodycote warringtonfire	LG Chem Europe GmbH	WF 166569, 166571, 166570	EN 13823
Bodycote warringtonfire	LG Chem Europe GmbH	WF 167468	EN/TS 15117

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	0	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	0	Compliant
	Flaming droplets/particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	57.93, 50.95, 41.37	Compliant
	THR _{600s}		7.06, 6.87, 5.98	Compliant
	LFS		N, N, N	Compliant
	SMOGRA		1.29, 0, 0	Compliant
	TSP _{600s}		28.90, 26.59, 35.38	Compliant



4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The products, 'LG HI-MACS', a family of acrylic solid surface sheets, in relation to their reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications, excluding flooring and linear pipe thermal insulation.
- ii) Installed with a minimum air gap of 120mm, without the presence of a substrate.



This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour	Any colour variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED

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Technical Consultant
Technical Department

APPROVED

Janet Murrell

.....
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on behalf of:
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