

Bodycote

**Class '0' Summary
Report**

WF Report Numbers:

174994 & 174996

Date:

31st July 2008

Test Sponsor:

**Graham & Brown
Limited**



SUMMARY OF WF REPORT No's. 174994 & 174996

**Including Opinion Of Compliance With The
Requirements For A Class 0 Surface
As Defined In Paragraph A13(b)
Of Approved Document B (Volumes 1 & 2),
(2006 Edition)
'Fire Safety', To The Building Regulations 2000**

Sponsored By

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Test Details

Terms Of Reference To assess the results of tests to BS 476:Part 6:1989 and BS 476:Part 7:1997, obtained on specimens of a product and to provide an opinion of compliance with the requirements for a Class 0 surface, as defined in Approved Document B to the Building Regulations 2000.

Introduction Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part 6: 1989 'Method of test for fire propagation of products' and BS 476: Part 7: 1997 'Surface spread of flame test for materials'. The results of the tests are fully reported in the **Bodycote warringtonfire** test reports No's. 174994 and 174996.

This summary test report has been prepared at the request of the sponsor and relates the results of the tests to the requirements for a Class 0 surface of a material or composite product, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

This summary should be read in conjunction with, and not accepted as a substitute for, the **Bodycote warringtonfire** test reports No's. 174994 and 174996. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

Face subjected to tests The specimens were mounted in the test positions such that the decorative face was exposed to the heating conditions of the tests.

Results of test The following results were obtained for the specimens, which were tested.

**BS 476: Part 6:
1989**

Fire propagation index, I	=	3.1
subindex, i_1	=	1.5
subindex, i_2	=	1.3
subindex, i_3	=	0.3

**BS 476: Part 7:
1997**

Class 1 surface spread of flame

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

Description of Test Specimens

The description of the specimens given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given. The specimens were supplied by the sponsor of the test. **Bodycote warringtonfire** was not involved in any selection or sampling procedure.

General description		'Paste the wall' wallcovering adhered to a skimmed paper faced plasterboard utilising a starch based adhesive		
Thickness of composite		13.8mm (stated by sponsor) 13.73 (determined by Bodycote warringtonfire)		
Weight per unit area of composite		9.8kg/m ² (stated by sponsor) 9.70kg/m ² determined by Bodycote warringtonfire)		
Wallcovering	Trade name / product reference		"Linda Barker"	
	Generic type		Paste the wall screen printed wallcovering	
	Name of manufacturer		Graham & Brown Ltd	
	Thickness		0.22mm	
	Weight per unit area		160g/m ²	
	Batch number		"010"	
	Pattern reference		"17214"	
	Colour reference		"Brown"	
	Print layer	Product reference		"Linda Barker"
		Generic type		Water based rotary screen ink
		Name of manufacturer		Graham & Brown Ltd
		Colour		"Brown"
		Application rate		30g/m ²
		Application method		Rotary screen
		Curing process		Drying at 120°C
	Flame retardant details		See Note 1 below	
	Base material	Product reference		"Nonwoven"
		Generic type		Non woven mix of cellulose and polyester fibres
		Name of manufacturer		Dresden Papier GmbH
		Colour		"White"
		Thickness		0.19mm
Weight per unit area		130g/m ²		
Flame retardant details		See Note 1 below		
Adhesive	Product reference		"Solvite Extra Strong All Purpose"	
	Generic type		Starch based adhesive	
	Name of manufacturer		Henkel	
	Application rate		200g/m ²	
	Application method		Roller	
Flame retardant details		See Note 1 below		

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Substrate	Product reference	"Paper Faced Plasterboard According To EN 13238"
	Generic type	Paper faced plasterboard skimmed on one face with a 2mm thick coating of gypsum finish plaster
	Name of manufacturer	Lafarge
	Thickness	12mm
	Density	800kg/m ³
	Flame retardant details	See Note 1 below
Brief description of manufacturing process of wallcovering		Rotary screen application of inks to a nonwoven substrate

Note 1. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Classification

Opinion

We consider the results of the tests detailed above demonstrate that the product, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

Validity of opinion

This opinion is based on the requirements of the Building Regulations at the date of this report. If the Building Regulations are revised or amended in any way subsequent to that date, care must be taken to ensure that this opinion is not invalidated by those revisions or amendments.

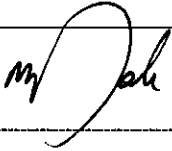
The opinion has been formulated on the assumption that the specimens are representative of the product in practice. **Bodycote warringtonfire** was not involved in any sampling or selection procedures which would confirm this or in any audit testing which would provide confidence in the consistency of the product in the tests.

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Signatories



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Approved
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Authorised
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* For and on behalf of **Bodycote warringtonfire.**

Report Issued: 31st July 2008

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