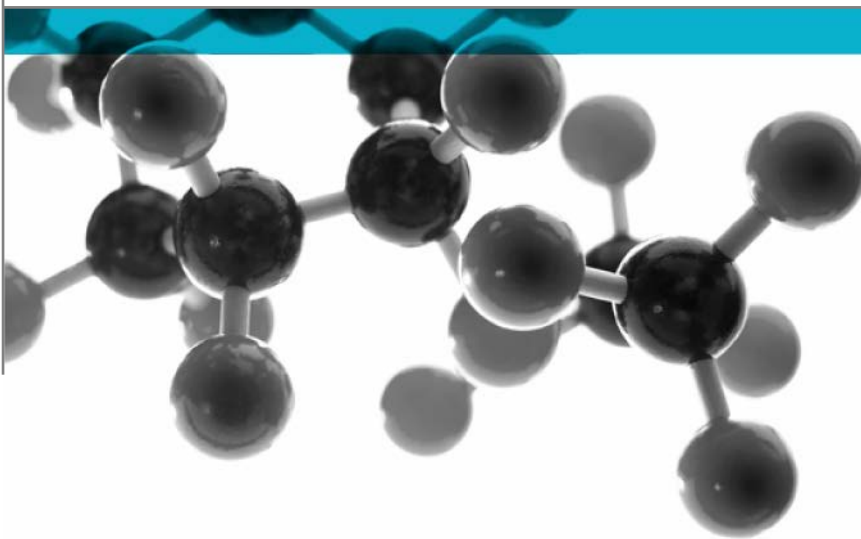


# Class 0 Summary Report



**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**

**Date:** 15<sup>th</sup> August 2018

**Issue No.:** 1

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A Report To: Sanglier Ltd.

Document Reference: 402952 & 402953

**Testing  
Advising  
Assuring**

## Executive Summary

**Objective** To assess the results of tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7:1997, obtained on specimens of the following 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.


Generic Description	Product reference	Thickness	Weight per unit area or density
Adhesive applied to one face of a calcium silicate board	"Tuskbond G500 Test Panels"	9mm	950kg/m <sup>3</sup>
<b>Individual components used to manufacture composite:</b>			
Adhesive	"Tuskbond G500"	Not applicable	50g/m <sup>2</sup>
Substrate	"Supalux"	9mm	950kg/m <sup>3</sup>
<b>Please see page 5 of this test report for the full description of the product tested</b>			

**Test Sponsor** Sanglier Ltd., Shelley Close, Lowmoor Business Park, Kirkby in Ashfield, Nottingham, NG17 7JZ


**Opinion:** We consider the results of the tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7: 1997, 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.

**Date of Test** 3<sup>rd</sup>, 7<sup>th</sup> and 10<sup>th</sup> August 2018

## Signatories



Responsible Officer  
 T. Mort \*  
 Senior Technical Officer



Authorised  
 S. Deeming \*  
 Business unit Head

\* For and on behalf of **Exova Warringtonfire**.

Report Issued: 15<sup>th</sup> August 2018

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## Test Details

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**Terms Of Reference** To assess the results of tests to BS 476:Part 6:1989+A1: 2009 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+A1: 2009 'Method of test for fire propagation for products' and BS 476: Part 7: 1997 'Method of test to determine the classification of the surface spread of flame of products'. The results of the tests are fully reported in the **Exova Warringtonfire** test reports No's. 402952 and 402953.

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 **Exova Warringtonfire** test reports No's. 402952 and 402953. 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 adhesive face was exposed to the heating conditions of the tests.

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

<b>BS 476: Part 6: 1989+A1: 2009</b>	Fire propagation index, I	=	1.8
	subindex, $i_1$	=	0.8
	subindex, $i_2$	=	0.6
	subindex, $i_3$	=	0.4

**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. This information has not been independently verified by **Exova Warringtonfire**. All values quoted are nominal, unless tolerances are given.

General description		Adhesive applied to one face of a calcium silicate board
Product reference		"Tuskbond G500 Test Panels"
Name of manufacturer		Sanglier Ltd.
Overall thickness		9mm (stated by sponsor) 9.18mm (determined by <b>Exova Warringtonfire</b> )
Overall weight per unit area		950kg/m <sup>3</sup> (stated by sponsor) 1018.38kg/m <sup>3</sup> (determined by <b>Exova Warringtonfire</b> )
Adhesive (Test face)	Generic type	Styrene butadiene rubber copolymer contact adhesive
	Product reference	"Tuskbond G500"
	Name of manufacturer	Sanglier Ltd.
	Colour reference	"Pale Amber"
	Application rate	50g/m <sup>2</sup>
	Application method	Spray
	Flame retardant details	<b>See Note 1 below</b>
Substrate	Curing process	Solvent evaporation
	Generic type	Calcium silicate board
	Product reference	"Supalux"
	Name of manufacturer	Promat UK Ltd.
	Thickness	9mm
Density	950kg/m <sup>3</sup>	
Flame retardant details	Non-combustible	
Brief description of manufacturing process		<ol style="list-style-type: none"> <li>1. A web of adhesive was spray applied from an aerosol onto a clean, dust free calcium silicate panel of known weight.</li> <li>2. The adhesive solvent was allowed to evaporate and the dry weight of the adhesive calculated.</li> <li>3. the process was repeated until a dry coat weight of 50g/m<sup>2</sup> was achieved.</li> </ol>

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

## Classification

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### 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. **Exova 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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## Revision History

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Reason for Revision:	

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