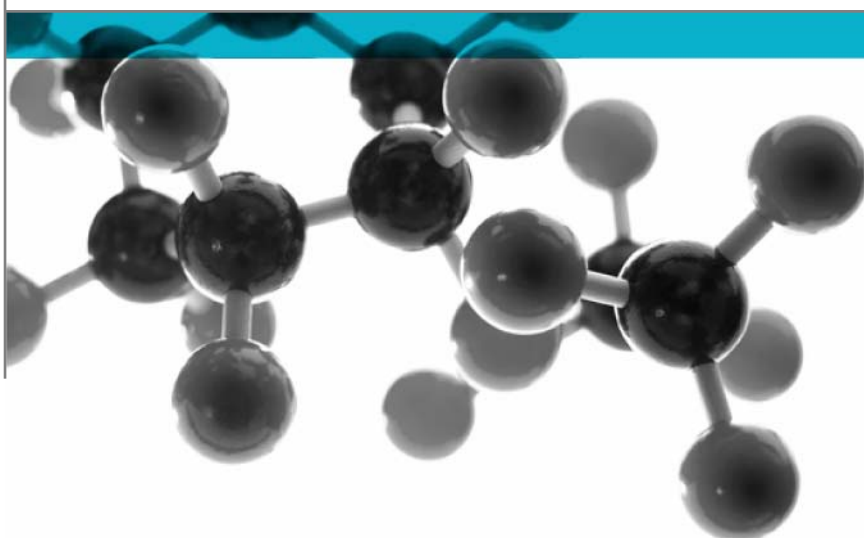


# Class 0 Summary Report



**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:** 28<sup>th</sup> November 2013

**Issue No.:** 1

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A Report To: Contra Vision

Document Reference: 334870 & 334871

**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 / application rate	Weight per unit area or density
Self-adhesive perforated window film adhered to toughened glass substrate	"Contra Vision <sup>®</sup> Performance <sup>™</sup> "	6.16mm *	14.8kg/m <sup>2</sup> *
<b>Individual components used to manufacture composite:</b>			
Ply No.1 film (test face)	"Polymeric Calendered PVC"	90 microns	75g/m <sup>2</sup>
Ply No.2 film	"Polymeric Calendered PVC"	90 microns	75g/m <sup>2</sup>
Adhesive	Unable to provide	28g/m <sup>2</sup>	Not stated
Substrate	"6mm Toughened"	6mm	14.61kg/m <sup>2</sup> *
<b>*Determined by Exova Warringtonfire</b>			
<b>Please see page 5 of this test report for the full description of the product tested</b>			

**Test Sponsor** Contra Vision, Victoria House, 19-21 Ack Lane East, Bramhall, Stockport, Cheshire, SK7 2BE

**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** 21<sup>st</sup> & 22<sup>nd</sup> November 2013

## Signatories

	
Responsible Officer C. Meachin * Acting Technical Officer	Authorised S. Deeming * Operations Manager

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

Report Issued: 28<sup>th</sup> November 2013

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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. 334870 and 334871.

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. 334870 and 334871. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

The specimens were tested with an airgap positioned behind the product as described in test report No. 334870 and test report No. 334871.

**Face subjected to tests** The specimens were mounted in the test positions such that the white film 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</b>	Fire propagation index, I	=	0.0
	subindex, $i_1$	=	0.0
	subindex, $i_2$	=	0.0
	subindex, $i_3$	=	0.0

<b>BS 476: Part 7: 1997</b>	Class 1 surface spread of flame
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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.

General description		Self-adhesive perforated window film adhered to toughened glass substrate
Trade name		"Contra Vision <sup>®</sup> Performance <sup>™</sup> "
Thickness of film		180 microns
Weight per unit area of film inclusive of adhesive		170g/m <sup>2</sup>
Thickness of composite		6.16mm (determined by <b>Exova Warringtonfire</b> )
Weight per unit area of composite		14.8kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
Name of manufacturer		Contra Vision Supplies Ltd
Perforations	Diameter of holes	1.60mm
	Spacing between hole centres	2.40mm
Ply No.1 film (test face)	Generic type	Polyvinyl chloride (PVC)
	Product reference	"Polymeric Calendered PVC"
	Name of manufacturer	Renolit
	Colour	"White"
	Thickness	90 microns
	Weight per unit area	75g/m <sup>2</sup>
	Flame retardant details	<b>See Note 1 below</b>
Ply No.2 film	Generic type	PVC
	Product reference	"Polymeric Calendered PVC"
	Name of manufacturer	Renolit
	Colour	"Black"
	Thickness	90 microns
	Weight per unit area	75g/m <sup>2</sup>
	Flame retardant details	<b>See Note 1 below</b>
Adhesive	Generic type	Solvent acrylic
	Product reference	<b>See Note 1 below</b>
	Name of manufacturer	<b>See Note 2 below</b>
	Application rate	28g/m <sup>2</sup>
	Application method	Transferred from coated release liner
	Flame retardant details	<b>See Note 1 below</b>
Substrate	Generic type	Toughened glass
	Product reference	"6mm Toughened"
	Name of supplier	KLG Glass (Chiwell)
	Colour reference	"Clear"
	Thickness	6mm
	Weight per unit area	14.61kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		White and black layers (ply 1 and ply 2) of calendered PVC, laminated together with heat & pressure, adhesive coated and then perforated.

**Note 1 - The sponsor was unable to provide this information.**

**Note 2 - The sponsor was unwilling to provide this information.**

## 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

Issue No :	Re-issue Date:
Revised By:	Approved By:
Reason for Revision:	

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