

Exova Warringtonfire  
Holmesfield Road  
Warrington  
WA1 2DS  
United Kingdom

T : +44 (0) 1925 655 116  
F : +44 (0) 1925 655 419  
E : warrington@exova.com  
W: www.exova.com



Testing. Advising. Assuring.

**Title:**

CLASSIFICATION OF  
REACTION TO FIRE  
PERFORMANCE  
IN ACCORDANCE WITH  
EN 13501-1:2007+A1: 2009.

**Notified Body No:**

0833

**Product Name:**

"Contra Vision<sup>®</sup>  
Performance<sup>™</sup> / Clear"

**Report No:**

304745

**Issue No:**

1

**Prepared for:**

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

**Date: 19<sup>th</sup> August 2011**



## 1. Introduction

This classification report defines the classification assigned to “Contra Vision® Performance™ / Clear”, a self-adhesive perforated window film bonded to toughened glass sheet, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, “Contra Vision® Performance™ / Clear”, a self-adhesive perforated window film bonded to toughened glass sheet, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, “Contra Vision® Performance™ / Clear”, a self-adhesive perforated window film bonded to toughened glass sheet, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Self-adhesive perforated window film bonded to toughened glass sheet		
Trade name / product reference		“Contra Vision® Performance™ / Clear”		
Overall thickness		6.11mm (determined by <b>Exova Warringtonfire</b> )		
Overall weight per unit area		14.85 kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )		
Name of manufacturer		Contra Vision Supplies Ltd		
Perforations	Diameter of holes	1.50mm		
	Spacing between hole centres	2.60mm		
Film (test face)	Generic type	Polyvinyl chloride (PVC)		
	Trade name / product reference	“Polymeric calendered pvc”		
	Name of manufacturer	Renolit		
	Colour	“Clear”		
	Thickness	180 microns		
	Weight per unit area	150gm <sup>2</sup>		
	Perforations	Diameter of holes	1.50mm	
		Spacing between hole centres	2.60mm	
Flame retardant details		<b>See Note 1 below</b>		
Adhesive	Generic type	Solvent acrylic		
	Trade name / product reference	<b>See Note 1 below</b>		
	Name of manufacturer	<b>See Note 1 below</b>		
	Application rate / thickness	28g/m <sup>2</sup>		
	Application method	Transferred from coated release liner		
	Flame retardant details		<b>See Note 1 below</b>	

Continued on next page

Substrate	Generic type	Toughened glass
	Trade name / product reference	"6mm toughened"
	Name of supplier	KLG Glass (Chilwell) Ltd
	Colour	"Clear"
	Thickness	6mm
	Weight per unit area	14.73 kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
	Flame retardant details	The substrate is inherently flame retardant
Mounting and fixing details		A 180mm ventilated cavity was situated between the reverse face of the specimen and the backing board
Details of how the plies are laminated together		Heat & pressure.
Brief description of manufacturing process		Clear calendered pvc, adhesive coated and then perforated.

**Note 1. The sponsor was unwilling to provide this information.**

### 3. Test reports & test results in support of classification

#### 3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
<b>Exova warringtonfire</b>	<b>Contra Vision</b>	WF 304593	EN ISO 11925-2
<b>Exova warringtonfire</b>	<b>Contra Vision</b>	WF 304594	EN 13823

### 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 <sub>s</sub>	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F <sub>s</sub>	6	11.7	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA <sub>0.2MJ</sub>	3	0.00	Compliant
	FIGRA <sub>0.4MJ</sub>		0.00	Compliant
	THR <sub>600s</sub>		0.51	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP <sub>600s</sub>		5.21	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+A1:2009.

### 4.2 Classification

The product, "Contra Vision® Performance™ / Clear", a self-adhesive perforated window film bonded to toughened glass 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**

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

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	<b>-</b>	<b>s</b>	<b>1</b>	<b>,</b>	<b>d</b>	<b>0</b>

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 mechanically installed without the presence of a substrate and with a minimum air gap of 180mm.

This classification is also valid for the following product parameters:

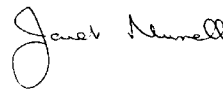
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

**SIGNED**



.....  
**Matthew Dale**  
Certification Engineer  
Technical Department

**APPROVED**



.....  
**Janet Murrell**  
Technical Manager  
Technical Department  
on behalf of **Exova warringtonfire**

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