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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[®]
Performance[™] / White on Black"

Report No:

304744

Issue No:

1

Prepared for:

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

Date: 19th August 2011



1. Introduction

This classification report defines the classification assigned to "Contra Vision® Performance $^{\text{M}}$ / White on Black", 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 $^{\text{TM}}$ / White on Black", 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 $^{\text{\tiny M}}$ / White on Black", 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		
Product reference			"Contra Vision [®] Performance [™] / White on Black"		
Overall thickness			6.11mm (determined by Exova Warringtonfire)		
Overall weight per unit area			14.76 kg/m ² (determined by Exova Warringtonfire)		
Name of manufacturer			Contra Vision Supplies Ltd		
Product configuration			 Ply No. 1 (Test face) Ply No. 2 Adhesive Substrate (Reverse face) 		
	Generic type		Polyvinyl chloride (PVC)		
	Product reference		"Polymeric calendered pvc"		
	Name of manufacturer		Renolit		
	Colour		"White"		
Ply No. 1	Thickness		90 microns		
(Test face)	Weight per unit area		75g/m ²		
	Perforations	Diameter of holes	1.60mm		
		Spacing between hole centres	2.40mm		
	Flame retardant details		See Note 1 below		

Continued on next page



	Generic type		Polyvinyl chloride (PVC)		
Ply No. 2	Product reference		"Polymeric calendered pvc"		
	Name of manu	ufacturer	Renolit		
	Colour		"Black"		
	Thickness		90 microns		
	Weight per unit area		75g/m ²		
		Diameter of holes	1.60mm		
	Perforations	Spacing between hole centres	2.40mm		
	Flame retardant details		See Note 1 below		
	Generic type		Solvent acrylic		
	Product reference		See Note 1 below		
Adhesive	Name of manufacturer		See Note 1 below		
Adriesive	Application rate / thickness		28g/m ²		
	Application method		Transferred from coated release liner		
	Flame retardant details		See Note 1 below		
	Generic type		Toughened glass		
	Product reference		"6mm toughened"		
	Name of supplier		KLG Glass (Chilwell) Ltd		
Substrate	Colour reference		"Clear"		
Cub strate	Thickness		6mm		
	Weight per unit area		14.73 kg/m ² (determined by Exova		
			Warringtonfire)		
	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		
Details of boundharding one lands at all 1997 to			and the backing board		
Details of how the plies are laminated together			Heat & pressure.		
Brief description of manufacturing process			White and black layers are calendered PVC,		
			laminated together with heat & pressure,		
			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	
Exova warringtonfire	Contra Vision	WF 304592	EN ISO 11925-2	
Exova Contra Vision		WF 304595	EN 13823	



3.2 Test results

Test			Results		
method & test number	Parameter	No. tests	Continuous parameter - mean (m)	Compliance parameters	
EN ISO 11925-2	F_s		Nil	Compliant	
(30s exposure - surface)	Flaming droplets/ particles	6	None	Compliant	
EN ISO 11925-2	F_s		10	Compliant	
(30s exposure – edge)	Flaming droplets/ particles	6	None	Compliant	
	FIGRA _{0.2MJ}		0.00	Compliant	
EN 13823	FIGRA _{0.4MJ}		0.00	Compliant	
	THR _{600s}	3	0.36	Compliant	
	LFS	3	None	Compliant	
	SMOGRA		0.00	Compliant	
	TSP _{600s}		8.94	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 $^{\text{\tiny M}}$ / White on Black", a self-adhesive perforated window film bonded to toughened glass sheet, in relation to its reaction to fire behaviour is classified:

В

The additional classification in relation to smoke production is:



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 P	roduction		Flaming Droplets		
В	-	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 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
Product weight per unit area
Product colour/pattern
Product composition
Product construction
No variation allowed
No variation allowed
No variation allowed
No variation allowed



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SIGNED

APPROVED

Matthew Dale

Certification Engineer Technical Department **Janet Murrell**

Technical Manager
Technical Department
on behalf of **Exova warringtonfire**

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