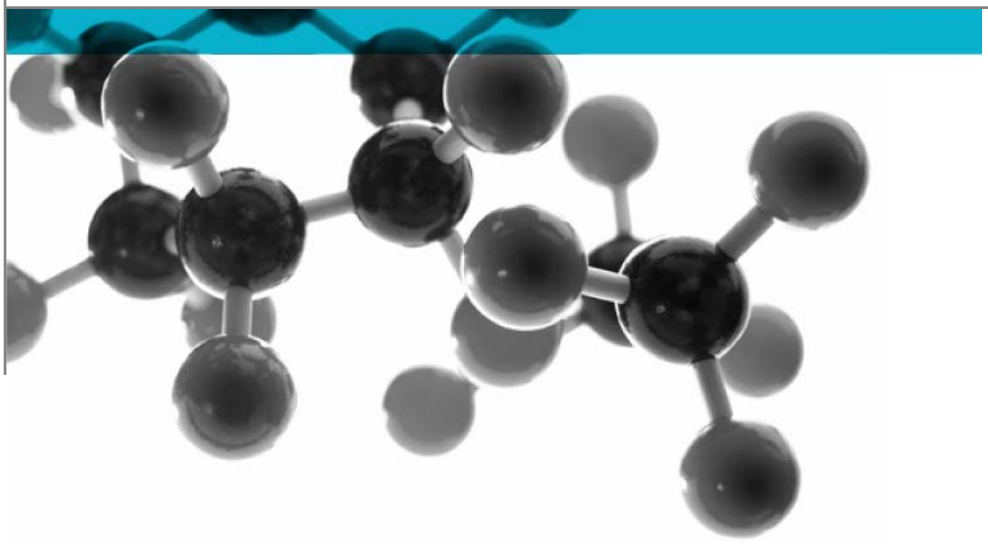
Warringtonfire
Holmesfield Road
Warrington
United Kingdom
T: +44 (0)1925 655116
W: www.warringtonfire.com

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: 11th March 2019

Issue No.: 1

A Report To: Avery Dennison Materials Belgium

Document Reference: 409364 & 409365

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
Self-adhesive wall covering film adhered to an aluminium substrate	None assigned	3.04mm*	7.79kg/m²*
Individual components used to manufacture composite:			
Self-adhesive film	"LF 8700 CG-UV"	80µm	120g/m²
Substrate	"Aluminium"	3mm	2710kg/m³
***determined by** Warringtonfire			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor

Avery Dennison Materials Belgium, Bld. Kennedy Z.I. Zone B, 7060 – Soignies, Belgium

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

11th and 23rd February 2019

Signatories

Responsible Officer T. Mort * Senior Technical Officer	Authorised S. Deeming * Business Unit Head

* For and on behalf of Warringtonfire.

Report Issued: 11th March 2019

This version of the report has been produced from a .pdf format electronic file that has been provided by Warringtonfire to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of Warringtonfire.

CONTENTS **PAGE NO.**

Test Details

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 Warringtonfire test reports No's. 409364 and 409365.

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 Warringtonfire test reports No's. 409364 and 409365. 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 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.

BS 476: Part 6: 1989+A1: 2009

Fire propagation index, I	=	0.0
subindex, i_1	=	0.0
subindex, i_2	=	0.0
subindex, i_3	=	0.0

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 Warringtonfire**.** All values quoted are nominal, unless tolerances are given.

General description			Self-adhesive wall covering film adhered to an aluminium substrate
Thickness of overall composite			3.04mm (determined by Warringtonfire)
Weight per unit area of overall composite			7.79kg/m² (determined by Warringtonfire)
Self-adhesive film	Product reference		"LF 8700 CG-UV"
	Name of manufacturer		AVERY DENNISON MATERIALS BELGIUM
	Overall thickness		80µm
	Overall weight per unit area		120 g/m²
	Film	Generic type	Polyvinyl chloride (PVC) film
		Product reference	"Clear Gloss"
		Name of manufacturer	**See Note 1 below**
		Thickness	**See Note 1 below**
		Density	**See Note 1 below**
		Colour reference	"Transparent"
		Flame retardant details	**See Note 2 below**
	Vinyl	Generic type	**See Note 3 below**
		Product reference	**See Note 3 below**
		Name of manufacturer	**See Note 3 below**
		Thickness	**See Note 3 below**
		Density	**See Note 3 below**
		Colour reference	**See Note 3 below**
		Flame retardant details	**See Note 3 below**
	Adhesive	Generic type	Acrylic
		Product reference	"UV"
		Name of manufacturer	**See Note 1 below**
		Application rate / thickness	**See Note 1 below**
		Application method	Pressure sensitive
		Flame retardant details	**See Note 2 below**
		Curing process	**See Note 1 below**
Substrate		Product reference	"Aluminium"
		Generic type	Aluminium
		Name of supplier	S.A. Joinery
		Overall thickness	3mm
		Density	2710kg/m³
		Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process			PVC film coated on one side with acrylic adhesive

Note 1. The sponsor of the test was unwilling to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3. The sponsor of the test was unable to provide this information.

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. 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.

This report may only be reproduced in full. Extracts or abridgements shall not be published without permission of Warringtonfire.

Revision History

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

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