

**Summary Of WARRES No's. 300819 & 301089  
Including Opinion Of Compliance With The  
Requirements For A Class 0 Surface  
As Defined In Paragraph A12(b)  
Of Approved Document B, 'Fire Safety',  
To The Building Regulations 2000**

**Sponsored By**

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(w1046ck) **The Professionals in Fire Safety**

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**1 Terms Of Reference**

To assess the results of tests to BS 476: Part 6: 1989 and BS 476: Part 7: 1987, 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 1991.

**2 Introduction**

Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part6: 1989 "Method of test for fire propagation of products" and BS 476: Part 7: 1987 "Surface spread of flame test for materials". The results of the tests are fully reported in the test reports WARRES No's. 300819 & 301089.

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 A12(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 test reports WARRES No's. 300819 & 301089. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

**3 Description Of Test Specimens**

The description of the specimens given below has been prepared from information provided by the sponsor of the tests. All values quoted are nominal, unless tolerances are given.

The product was a 100 microns thick adhesive backed polymeric film 3M referenced "SH4CLARL" consisting of polyester base film coated with UV cured abrasion resistant coating applied on one face and a pressure sensitive adhesive applied on the other face.

The nominal mass of the product was 209g/m<sup>2</sup>.

The specimens delivered were marked "R" and consisted of the product bonded to one face of 6mm thick glass plate.

The specimens were supplied by the sponsor. Warrington Fire Research Centre was not involved in any selection or sampling procedure.

#### 4 **Face Subjected To Tests**

The specimens were mounted in the test positions such that the 3M product was exposed to the heating conditions of the tests.

#### 5 **Results Of Tests**

The following results were obtained for the specimens which were tested.

##### **BS 476: Part 6: 1989**

Fire propagation index, I	=	0.2
subindex, i <sub>1</sub>	=	0.0
subindex, i <sub>2</sub>	=	0.2
subindex, i <sub>3</sub>	=	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.

#### 6 **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 A12(b) of Approved Document B, "Fire Safety", to the Building Regulations 2000.

#### 7 **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. Warrington Fire Research Centre 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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Tested by

Approved

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*S. Kumar*

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for and on behalf of  
**WARRINGTON FIRE RESEARCH CENTRE**

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