

Summary Of WARRES No's. 136016 & 136018
Including Opinion Of Compliance With The
Requirements For A Class 0 Surface
As Defined In Paragraph A13(b)
Of Approved Document B,
(2000 Edition Incorporating 2002 Amendments)
'Fire Safety', To The Building Regulations 2000

Sponsored By

Kingspan Insulation Manufacturing BV
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6669 ZG Dodewaard
The Netherlands

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1 Terms Of Reference

To assess the results of tests to BS 476:Part 6:1989 and BS 476:Part 7:1997, obtained on specimens of a product and to provide an opinion of compliance with the requirements for a Class O surface, as defined in Approved Document B to the Building Regulations 2000.

2 Introduction

Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part 6: 1989 'Method of test for fire propagation of products' and BS 476: Part 7: 1997 'Surface spread of flame test for materials'. The results of the tests are fully reported in the test reports WARRES No's. 136016 and 136018.

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 test reports WARRES No's. 136016 and 136018. 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 "Kingspan Kooltherm DL 2000", a CFC and HCFC free phenolic foam having a thickness of 30mm and a density of from 35 to 45 kg/m³, with an aluminium foil laminate bonded to one face utilising a flame retardant grade polyethylene adhesive, and a glass tissue bonded to the other face.

The sponsor stated that the aluminium foil laminate complied with the requirements for a Class "O" surface as defined in paragraph A13(b) of Approved Document B, "Fire Safety", to the Building Regulations 2000.

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At the specific request of the sponsor, further details of the composition of the product have not been included in this product description, however, additional details have been provided and these details are held on our confidential file relating to this investigation.

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 aluminium foil face 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	=	9.5
subindex, i_1	=	5.1
subindex, i_2	=	4.0
subindex, i_3	=	0.4

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 A13(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.



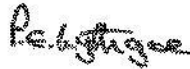
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Responsible Officer



J COAKLEY
Technical Officer
Reaction to Fire Testing

Approved



P E LYTHGOE
Testing Manager
Reaction to Fire Testing
for and on behalf of
WARRINGTON FIRE RESEARCH CENTRE

Date Of Issue: 9th December 2003

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