

**SUMMARY OF WARRES NO'S. 60301 & 60303
INCLUDING OPINION OF COMPLIANCE WITH THE
REQUIREMENTS FOR A CLASS O SURFACE
AS DEFINED IN A PARAGRAPH A12(b)
OF APPROVED DOCUMENT B, 'FIRE SAFETY',
TO THE BUILDING REGULATIONS 1991**

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EMALUX LIMITED

Unit 1, Spawell, Dublin 6W, Republic of Ireland

THE PROFESSIONALS IN FIRE SAFETY •

**Warrington
FIRE
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INTRODUCTION

Investigations into the behaviour of a product under the conditions of test specified in British Standard 476: Part 6: 1989 'Method of Test for Fire Propagation for Products' and British Standard 476: Part 7: 1987 'Surface Spread of Flame Test for Materials', have been conducted. The results of the tests are fully reported in the test reports WARRES No's. 60301 & 60303.

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 O surface of a material or composite product, as defined in paragraph A12(b) of Approved Document B, 'Fire Safety', to the Building Regulations 1991.

This summary should be read in conjunction with, and not accepted as a substitute for, the test reports WARRES No's. 60301 & 60303. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

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.

12mm thick "Supalux", a calcium silicate based board manufactured by Cape Boards Limited, having an oven dry density of 875 kg/m³, was coated on one surface as follows:

One coat of "Emalux" 148 (colour reference "White") primer, brush applied to a dry film thickness of 50 microns.

One coat of "Emalux" 148 (colour reference "White") body coat, brush applied to a dry film thickness of 125 microns.

One top coat of "Varnilux glaze (colour reference "White")", brush applied to a dry film thickness of 50 microns.

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

FACE SUBJECTED TO TESTS

The specimens were mounted in the test positions such that the coated face was exposed to the heating conditions of the tests.

RESULTS OF TESTS

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

BS 476: Part 6:1989

Fire propagation index, I	=	2.3
Subindex i_1	=	2.2
Subindex, i_2	=	0.0
Subindex, i_3	=	0.1

BS 476 : PART 7: 1987

Class 1 (ONE) 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.

OPINION

We consider the results of the tests detailed above demonstrate that the product, as tested, complies with the requirements for Class O, as defined in paragraph A12 (b) of Approved Document B, "Fire Safety", to the Building Regulations 1991.

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.

Responsible Officer

P.E. Lythgoe

P.E LYTHGOE

Manager - Reaction to Fire Testing

Approved

G. Murrell

pl

R. J. SHAW

Director

for and on behalf of

WARRINGTON FIRE RESEARCH CENTRE

Date of issue: 11th October 1993

(LD169)