



**FIRE
TECHNOLOGY
SERVICES**

**Wira House
West Park Ring Road
Leeds, LS16 6QL
England**

Tel: +44 (0)113 259 1999
Fax: +44 (0)113 278 0306
Web: <http://www.bttg.co.uk/bctc>
Email: CSLeeds@bttg.co.uk

Our Ref: 27925/07/04
Your Ref:
Order No: VSUK2004/10022

06 August 2004
Page 1 of 3

Client: Verseidag Seemee UK Ltd
Collingwood House
Alington Road
Eynesbury
St Neots, Cambridgeshire
PE19 6YH

Job Title: **Fire Test**

Material Received: 23 July 2004

Description of Sample: **One sample of material labelled ref.: Frontlit Standard Easy B7945.**

Brief: Fire Technology Services were requested to carry out a fire test on the sample of material supplied to BS 476 Part 7.

UKAS Accreditation: Our Laboratories are UKAS accredited. However, it should be noted that tests marked * are not UKAS accredited in this report. They are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted.

Testing Atmosphere: Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles (BS EN 20139:1992) of 65±2% r.h. and 20±2°C.





**FIRE TESTS ACCORDING TO BS 476:PART 7:1987 (AS AMENDED)
(Method for classification of the surface spread of flame of products)**

Date of Test: 05/08/2004

Conditioning

The sample was conditioned to constant mass at a temperature of $23 \pm 2^\circ\text{C}$ and a relative humidity of $50 \pm 10\%$ and maintained in this condition until required for testing

Procedure

The test was carried out in accordance with BS 476: Part 7: 1987. The sponsor sampled the material and the specimens were cut from the sample to the dimensions set out in the standard by AMS Ltd. The specimens were tested as received stapled to the calcium silicate backing board.

The following were recorded:-

- a) the time at which the flame front crosses each vertical reference line;
- b) the maximum extent of flame spread during the first 1.5 min from the start of the test;
- c) the maximum extent of flame spread during the whole test i.e. 10 min or less (if applicable)
- d) the time (and distance) at which maximum flame spread is reached.

The flame spread at 1.5min and the final flame spread results were compared with the standard class limits and a classification was assigned.

Requirements

The class limits for flamespread, detailed in BS 476:Part 7: are set out below.

	Flame spread at 1.5 min (mm)	Final flame spread (mm)
Class 1	165 (+ 25)	165 (+ 25)
Class 2	215 (+ 25)	455 (+ 45)
Class 3	265 (+ 25)	710 (+ 75)
Class 4	Exceeding Class 3 limits.	

A definitive classification is based on a sample of six specimens and the figure in brackets gives the tolerance by which only one specimen in six may exceed the class limit assigned.



**FIRE
TECHNOLOGY
SERVICES**

Date: 06 August 2004
 Our Ref: 27925/07/04
 Your Ref:
 Order No: VSUK2004/10022
 Page 3 of 3

Verseidag Seemee UK Ltd

Results

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Time for flame spread to reach (s) (mm)					Flame spread at 1.5 min (mm)	Maximum flame spread (mm)	Time to reach maximum flame spread (s)
165	215	265	455	710			
					60	60	60
					60	60	60
					60	60	60
					60	60	60
					60	60	60
					60	60	60

The results indicate that the sample met the performance requirements of Class 1Y.

Comments

The Y is added to the class as a hole appeared in all specimens within the first few seconds and the material melted away from the ignition source.

The information contained on page no's 1/3 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Fire Technology Services on the materials referred to.

Signed.....*B Chambers*.....Date.....*6/8/04*.....
 Mr. B. Chambers
 Fire Technician

Signed.....*M. N*.....Date.....*6.8.04*.....
 Mr. M Nunney
 Group Manager

