

Confidential Report

Our Ref: 27/05244/01/20

ilac-MRA
UKAS TESTING
1066

Notified Body
for PPE Directive,
Construction Products Regulation
& Marine Equipment Directive
I.D. No. 0338 & 0339

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 24 January 2020

Our Ref: 27/05244/01/20
Your Ref:

Client: Low & Bonar GmbH
Edelzeller Strasse 44
36043 Fulda
Germany

Job Title: Fire Test on One Sample of Material

Client's Order No: ---

Date of Receipt: 07 January 2020

Description of Sample(s): One sample of material, reference; VALMEX 7216

Work Requested: We were asked to make the following test(s):

BS 7837

Note: This report relates only to the samples submitted and as described in the report.

* subcontracted test, UKAS accredited
** subcontracted test, EN ISO/IEC 17025 accredited
*** not UKAS accredited

1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG™ and Shirley® are trade names of Shirley Technologies Limited.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2020 Shirley Technologies Limited. All rights reserved.

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Client: Low & Bonar GmbH

FIRE TESTS ACCORDING TO BS 7837:1996 (2015)
Specification for Flammability Performance for Textiles Used in the Construction of Marquees and Similar Tented Structures

Date of test: 24/01/2020

Conditioning

Prior to testing commencing the sample was water-soaked and then conditioned for at least 24 hours in an atmosphere having a temperature of 20 ± 2°C and a relative humidity of 65 ± 5%.

Procedure

The test was carried out in accordance with the above standard. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard. Three length and three width specimens were tested.

Test 2B (bottom edge ignition) of BS 5438:1989 was used together with a flame application time of 10 seconds, as specified.

In addition, a piece of filter paper with specified characteristics was placed 55mm below the specimen to detect flaming debris.

The following parameters were determined :-

1. Duration of flaming
2. Extent of damage
3. Filter paper ignition, if applicable

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG™ and Shirley® are trade names of Shirley Technologies Limited.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2020 Shirley Technologies Limited. All rights reserved.

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 24 January 2020

Our Ref: 27/05244/01/20
Your Ref:

Client: Low & Bonar GmbH

Performance

The sample shall be deemed to perform satisfactorily (pass) if, for at least five of the six test specimens:

(a) the duration of flaming does not exceed 5s after removal of the igniting flame; and

(b) the lowest boundary of any flame does not reach the upper edge or either vertical edge; and

c) the filter paper does not smoulder or flame.

The sample shall be deemed not to conform to BS 7837:1996 (2015) if more than two test specimens show any of the effects listed in (a) to (c) above. If two test specimens show any of the above effects then a further six specimens shall be tested. In this case, the sample shall be deemed to pass if five of the second set of six specimens performs satisfactorily.

Results

After Flame Time (secs.)		Edge reached (Yes or No)		Filter Paper Ignition (Yes or No)	
Width	Length	Width	Length	Width	Length
0	0	No	No	No	No
0	0	No	No	No	No
0	0	No	No	No	No

The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG™ and Shirley® are trade names of Shirley Technologies Limited.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2020 Shirley Technologies Limited. All rights reserved.

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 24 January 2020

Our Ref: 27/05244/01/20
Your Ref:

Client: Low & Bonar GmbH

Comments

The results indicate that the sample met the above performance requirements.

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:…… B Marsden (Mrs), Senior Fire Technician

Countersigned by:…….. P Doherty, Executive Manager

Enquiries concerning this report should be addressed to Customer Services..

1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG™ and Shirley® are trade names of Shirley Technologies Limited.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2020 Shirley Technologies Limited. All rights reserved.

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 24 January 2020

Our Ref: 27/05244/01/20
Your Ref:

Client: Low & Bonar GmbH

Uncertainty Budget - Annex

The overall uncertainty budget for BS 7837:1996 (2015) is as follows:-

Timings: ±2 seconds.

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
BTTG™ and Shirley® are trade names of Shirley Technologies Limited.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

Copyright © 2020 Shirley Technologies Limited. All rights reserved.