



Confidential Report

Our Ref: 23/57355-1-3



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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.

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Email: info@bttg.co.uk

Website: www.bttg.co.uk

Date: 13 March 2020

Our Ref: 23/57355-1-3

Your Ref: 2093

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Client: Kobefab International BV
De Vest 62
5555 XP Valkenswaard
Netherlands

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 2093

Date of Receipt: 26 February 2020

Description of Sample(s): One sample of fabric identified as follows was received for testing:

Flint CS 290cm, stated to be 100% Trevira CS

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

BS 7175, Sources 0, 1 and 5

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



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TESTING • CERTIFICATION • AUDITING

Client: Kobe International Ltd

Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.

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FIRE TESTS ACCORDING TO BS 7175:1989 (2013)

Methods of test for the Ignitability of bedcovers and pillows by smouldering and flaming ignition sources

Sample tested: 4 March 2020

Conditioning

The sample was conditioned for 72 hours in indoor ambient conditions and then for at least 16 hours in an atmosphere having a temperature of $20 \pm 5^\circ\text{C}$ and a relative humidity of $65 \pm 5\%$.

The sample was tested in a room volume of 25m^3 and 17°C .

Procedure

Specimens were tested in accordance with Section three of the above standard. The sponsor sampled the material and the specimens were tested as received.

Tests were made in accordance with the above standard using ignition sources 0,1 and 5 as specified in BS 5852:1990 and BS EN 1021 1/2.

Requirements

Ignition Source	Maximum duration allowed for progressive smouldering	Maximum duration allowed for flaming
0	60 minutes after placement of cigarette	Not Applicable
1 to 3	15 minutes after removal of burner tube	120 seconds after removal of burner tube
4 5	60 minutes after ignition of wood crib	10 minutes after ignition of wood crib
6 7	60 minutes after ignition of wood crib	13 minutes after ignition of wood crib



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Results

The following 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.

Ignition Source	Position	Time of Extinction	Hole formed through full thickness	Observations e.g. melting, dripping, charring development of flames from smouldering	Ignition/ No Ignition
0	On Top	23 mins	Yes	Damaged Area 11mm x 67mm Melting and Charring	Non Ignition
0	On Top	24 mins	Yes	Damaged Area 10mm x 69mm Melting and Charring	Non Ignition
0	On top in fold	DNP	Yes	Damaged Area 12mm x 23mm Melting and Charring	Non Ignition
0	On top in fold	DNP	Yes	Damaged Area 11mm x 19mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 3 secs Damaged Area 25mm x 16mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 3 secs Damaged Area 21mm x 15mm Melting, dripping and Charring	Non Ignition
1	Below	1 secs	Yes	Ignition 2 secs, Split 2 secs Damaged Area 111mm x 104mm Melting, dripping and Charring	Non Ignition
1	Below	1 secs	Yes	Ignition 2 secs, Split 3 secs Damaged Area 106mm x 38mm Melting, dripping and Charring	Non Ignition



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Client: Kobe International Ltd

Ignition Source	Position	Time of Extinction	Hole formed through full thickness	Observations e.g. melting, dripping, charring development of flames from smouldering	Ignition/ No Ignition
5	On Top	222 secs	Yes	Split 9 secs, Ignited 3 secs Crib out 164 secs Smoke out 315 secs Damaged Area 100x128mm Melting and Charring Split 7 secs, Ignited 3 secs Crib out 172 secs Smoke out 327 secs Damaged Area 112x124mm Melting and Charring Split 4 secs, Ignited 3 secs Crib out 203 secs Smoke out 274 secs Damaged Area 154x88mm Melting, dripping and Charring	Non Ignition
5	On Top	218 secs	Yes	Split 7 secs, Ignited 3 secs Crib out 172 secs Smoke out 327 secs Damaged Area 112x124mm Melting and Charring Split 4 secs, Ignited 3 secs Crib out 203 secs Smoke out 274 secs Damaged Area 154x88mm Melting, dripping and Charring	Non ignition
5	On Top	101 secs	Yes	Split 4 secs, Ignited 2 secs Crib out 199 secs Smoke out 258 secs Damaged Area 153x81mm Melting, dripping and Charring	Non ignition
5	On Top	112 secs	Yes	Split 4 secs, Ignited 2 secs Crib out 199 secs Smoke out 258 secs Damaged Area 153x81mm Melting, dripping and Charring	Non ignition

Comments

A Non Ignition designation indicates the sample meets the performance requirements for ignition sources 0, 1 and 5.

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

Reported by:.....

B Bland

Laboratory Technician

Countersigned By:.....

P Doherty

Manager

Enquiries concerning this report should be addressed to Customer Services



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Uncertainty Budget - Annex

The overall uncertainty budget for both BS 5852:1990 and BS EN 1021:Parts 1 & 2 is as follows:-

Measurements: $\pm 2\text{mm}$
Timings: ± 2 seconds.

