Confidential Report

Our Ref: 23/57296-1-2

ilac-MRA

UKAS TESTING

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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.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 24 February 2020

Our Ref: 23/57296-1-2
Your Ref: 2085

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

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 2085

Date of Receipt: 11 February 2020

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

Mica FR 300cm, stated to be 100% Pes FR

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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Client: Kobe International Ltd

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: 24 February 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 ±5°C and a relative humidity of 65 ±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	18 mins	Yes	Damaged Area 72mm x 14mm Melting and Charring	Non Ignition
0	On Top	20 mins	Yes	Damaged Area 59mm x 21mm Melting and Charring	Non Ignition
0	On top in fold	DNP	No	Damaged Area 17mm x 9mm Melting and Charring	Non Ignition
0	On top in fold	22 mins	No	Damaged Area 72mm x 18mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 4 secs Damaged Area 21mm x 19mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 4 secs Damaged Area 19mm x 17mm Melting and Charring	Non Ignition
1	Below	2 secs	Yes	Ignition 2 secs, Split 2 secs Damaged Area 100mm x 39mm Melting, dripping and Charring	Non Ignition
1	Below	1 secs	Yes	Ignition 1 secs, Split 2 secs Damaged Area 89mm x 26mm Charring	Non Ignition

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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	239 secs	Yes	Igniton 5 secs, Split 9 secs Crib out 199 secs Smoke out 300 secs Damaged Area 99x140mm Melting and Charring	Non Ignition
5	On Top	248 secs	Yes	Igniton 5 secs, Split 8 secs Crib out 207 secs Smoke out 321 secs Damaged Area 109x138mm Melting and Charring	Non ignition
5	On Top	98 secs	Yes	Ignition 3 secs, Split 4 secs Crib out 199 secs Smoke out 272 secs Damaged Area 161x94mm Melting, dripping and Charring	Non ignition
5	On Top	111 secs	Yes	Ignition 3 secs, Split 4 secs Crib out 207 secs Smoke out 284 secs Damaged Area 159x107mm 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: ±2mm
Timings: ±2 seconds.

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