



Confidential Report

Our Ref: 56294-1-3



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



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Date: 9 May 2019
Our Ref: 56294-1-3
Your Ref: 2024
Page: 1 of 4

Client: Kobefab International B.V.
De Vest 62
5555 XP Valkenswaard
Netherlands

Job Title: Fire Test on One Sample of Fabric

Client's Order No: Zingana FR 300cm

Date of Receipt: 18 April 2019

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

Zingana FR 300cm

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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Your Ref: 2024

Page: 2 of 4

Client: Kobe International B.V.

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: 2 May 2019

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 20°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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Page: 3 of 4

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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	21 mins	Yes	Damaged Area 64mm x 11mm Melting and Charring	Non Ignition
0	On Top	21 mins	Yes	Damaged Area 69mm x 12mm Melting and Charring	Non Ignition
0	On top in fold	6 mins	Yes	Damaged Area 19mm x 10mm Melting and Charring	Non Ignition
0	On top in fold	23 mins	Yes	Damaged Area 59mm x 12mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 4 secs Damaged Area 62mm x 20mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 2 secs, Split 4 secs Damaged Area 14mm x 21mm Melting and Charring	Non Ignition
1	Below	2 secs	Yes	Ignition 1 secs, Split 2 secs Damaged Area 18mm x 64mm Melting and Charring	Non Ignition
1	Below	4 secs	Yes	Ignition 1 secs, Split 2 secs Damaged Area 16mm x 73mm Charring	Non Ignition



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Page: 4 of 4

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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	211 secs	No	Ignition 5 secs, Split 9 secs Crib out 188 secs Smoke out 247 secs Damaged Area 134x100mm Melting and Charring	Non Ignition
5	On Top	187 secs	No	Ignition 4 secs, Split 10 secs Crib out 173 secs Smoke out 269 secs Damaged Area 109x104mm Melting and Charring	Non ignition
5	On Top	62 secs	No	Ignition 24 secs, Split 27 secs Crib out 223 secs Smoke out 323 secs Damaged Area 176x99mm Melting dripping and Charring	Non ignition
5	On Top	76 secs	No	Ignition 13 secs, Split 16 secs Crib out 221 secs Smoke out 303 secs Damaged Area 158x87mm 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

Enquiries concerning this report should be addressed to Customer Services

Countersigned By:.....

P Doherty

Manager



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Page: 5 of 4

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.



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