



Confidential Report

Our Ref: 55380-1-3



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



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Date: 13 September 2018

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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: -

Date of Receipt: 28 August 2018

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

Pluto FR, 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: Kobefab 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: 5 September 2018

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 25m³ and 19°C.

Procedure

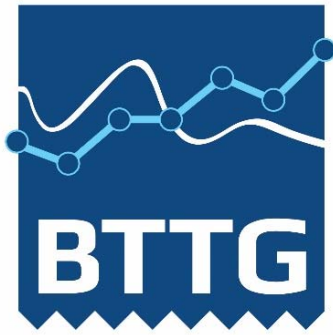
Specimens were tested in accordance with Section three of the above standard. The sponsor sampled the material and the specimens were tested as received.

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	17 mins	Yes	Damaged Area 70mm x 20mm Melting and Charring	Non Ignition
0	On Top	17 mins	Yes	Damaged Area 70mm x 20mm Melting and Charring	Non Ignition
0	On top in fold	DNP	No	Damaged Area 15mm x 15mm Melting and Charring	Non Ignition
0	On top in fold	DNP	No	Damaged Area 15mm x 15mm Melting and Charring	Non Ignition
0*	On top in fold (Repeat Test)	DNP	No	Damaged Area 15mm x 15mm Melting and Charring	Non Ignition
0*	On top in fold (Repeat Test)	DNP	No	Damaged Area 10mm x 10mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 3 secs, Split 6 secs Damaged Area 25mm x 20mm Melting and Charring	Non Ignition
1	On Top	1 secs	No	Ignition 3 secs, Split 5 secs Damaged Area 25mm x 15mm Melting and Charring	Non Ignition
1	Below	1 secs	No	Ignition 2 secs, Split 2 secs Damaged Area 20mm x 45mm Melting and Charring	Non Ignition
1	Below	1 secs	No	Ignition 2 secs, Split 2 secs Damaged Area 25mm x 40mm Melting and Charring	Non Ignition

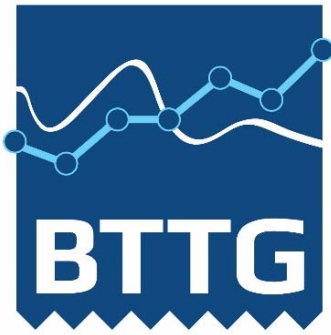
* The cigarettes for the first two specimens did not propagate down their full length, therefore a repeat test was carried out.



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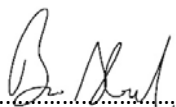
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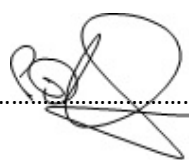
Client: Kobefab International B.V.

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	249 secs	Yes	Igniton 2 secs, Split 7 secs Crib out 249 secs Smoke out 256 secs Damaged Area 130x135mm Melting and Charring	Non Ignition
5	On Top	204 secs	Yes	Igniton 2 secs, Split 8 secs Crib out 204 secs Smoke out 211 secs Damaged Area 120x90mm Melting and charring	Non ignition
5	On Top	179 secs	Yes	Ignition 3 secs, Split 4 secs Crib out 179 secs Smoke out 182 secs Damaged Area 120x85mm Melting, dripping and charring	Non ignition
5	On Top	204 secs	Yes	Ignition 3 secs, Split 4 secs Crib out 204 secs Smoke out 208 secs Damaged Area 115x85mm 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
 Fire Technician

Countersigned By: 
 P Doherty
 Operational Head

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.



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