



Confidential Report

Our Ref: 54666-2-3



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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 March 2018

Our Ref: 54666-2-3

Your Ref: 1961

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: 1961

Date of Receipt: 12 February 2018

Description of Sample(s): Sample of fabric, referenced Spezia 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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Your Ref: 1961

Page: 2 of 4

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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: 6 March 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 $20 \pm 5^{\circ}\text{C}$ and a relative humidity of $65 \pm 5\%$.

The sample was tested in a room volume of 25m^3 and 18°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



TESTING • CERTIFICATION • AUDITING

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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	23 mins.	Yes	Damaged Area 10mm x 55mm Melting and Charring	Non Ignition
0	On Top	21 mins.	Yes	Damaged Area 10mm x 70mm Melting and Charring	Non Ignition
0	On top in fold	DNP	Yes	Damaged Area 10mm x 40mm Melting and Charring	Non Ignition
0	On top in fold	49 mins	Yes	Damaged Area 10mm x 60mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 3 secs, Split 5 secs Damaged Area 15mm x 20mm Melting and Charring	Non Ignition
1	On Top	1 secs	Yes	Ignition 3 secs, Split 5 secs Damaged Area 15mm x 20mm Melting and Charring	Non Ignition
1	Below	1 secs	Yes	Ignition 1 secs, Split 2 secs Damaged Area 35mm x 45mm Melting, dripping and charring	Non Ignition
1	Below	1 secs	Yes	Ignition 1 secs, Split 2 secs Damaged Area 20mm x 50mm Melting, dripping and 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	161 secs	No	Igniton 5 secs, Split 11 secs Crib out 197 secs Smoke out 243 secs Damaged Area 100x125mm Melting and charring	Non Ignition
5	On Top	198 secs	No	Igniton 4 secs, Split 9 secs Crib out 206 secs Smoke out 344 secs Damaged Area 95x110mm Melting and Charring	Non ignition
5	On Top	113 secs	No	Igniton 3 secs, Split 6 secs Crib out 167 secs Smoke out 194 secs Damaged Area 95x150mm Melting, dripping and charring	Non ignition
5	On Top	129 secs	No	Igniton 2 secs, Split 5 secs Crib out 209 secs Smoke out 227 secs Damaged Area 115x150mm 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.

Reported by: 
J Coleman
Fire Technician

Countersigned By: 
P Doherty
Operational Head



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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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