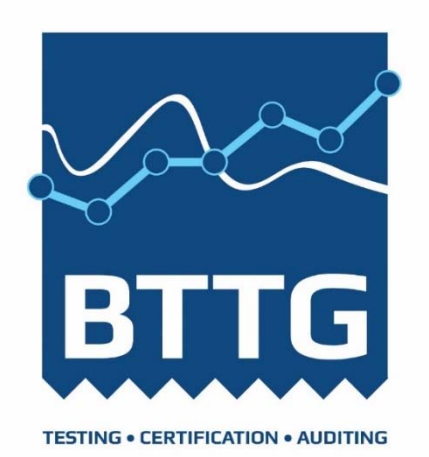

Confidential Report

Our Ref: 53161-1-2

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

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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 14 March 2017

Our Ref: 53161-1-2
Your Ref: 1904

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: 1904

Date of Receipt: 3 March 2017

Description of Sample(s): Sample of fabric, referenced Lines 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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Date: 14 March 2017

Our Ref: 53161-1-2
Your Ref: 1904

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: 10/3/2017

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 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

1066

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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	19 mins.	Yes	Damaged Area 10mm x 65mm Charring	Non Ignition
0	On Top	16 mins.	Yes	Damaged Area 10mm x 70mm Charring	Non Ignition
0	On top in fold	DNP	Yes	Damaged Area 0 Charring	Non Ignition
0	On top in fold	DNP	Yes	Damaged Area 0 Charring	Non Ignition
1	On Top	6 secs	Yes	Ignition 3 secs, Split 4 secs Damaged Area 15mm x 20mm Charring	Non Ignition
1	On Top	2 secs	Yes	Ignition 2 secs, Split 3 secs Damaged Area 15mm x 10mm Charring	Non Ignition
1	Below	0 secs	Yes	Ignition 0 secs, Did not split Damaged Area 35mm x 20mm Melting and charring	Non Ignition
1	Below	0 secs	Yes	Ignition 0 secs, Did not split Damaged Area 20mm x 25mm Melting and charring	Non Ignition

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Your Ref: 1904

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	245 secs	Yes	Igniton 10 secs, Split 12 secs Crib out 194 secs Smoke out 376 secs Damaged Area 135x95mm Melting, dripping and charring	Non Ignition
5	On Top	315 secs	Yes	Igniton 11 secs, Split 15 secs Crib out 209 secs Smoke out 421 secs Damaged Area 125x100mm Melting, dripping and charring	Non Ignition
5	Below	39 secs	Yes	Igniton 3 secs, Split 21 secs Crib out 190 secs Smoke out 241 secs Damaged Area 150 x 140mm Melting dripping and charring	Non Ignition
5	Below	45 secs	Yes	Igniton 3 secs, Split 5 secs Crib out 192 secs Smoke out 236 secs Damaged Area 150 x 110mm 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:……..
Operational Head

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Client: Kobefab International B.V.

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.