



# Confidential Report

**Our Ref: 52895-1-1**



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



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Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 27 January 2017

Our Ref: 52895-1-1

Your Ref: 1883

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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: 1883

Date of Receipt: 11 January 2017

Description of Sample(s): Jules, also stated to represent Henry, Florian and Nicolas

Work Requested: We were asked to make the following test(s):

BS 5852:Clause 11:2006 (2011) Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources – Source 5 (Crib 5)

- \* subcontracted test, UKAS accredited
- \*\* subcontracted test, EN ISO/IEC 17025 accredited
- \*\*\* not UKAS accredited



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TESTING • CERTIFICATION • AUDITING

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**Client: Kobefab International B.V.**

**Testing BS 5852:Clause 11:2006 (2011) Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources – Source 5 (Crib 5)**

**Date of test:** 27/1/2017

### **Pre-Treatment**

The material was subjected to the water soak procedure according to BS 5852:Annex E:2006 (2011).

### **Conditioning**

The sample was conditioned and tested in the environments specified in Clause 10 of BS 5852:2006 (2011).

### **Testing**

The material was tested according to BS 5852:2006 (2011) Methods of test for the ignitability of upholstered composites for seating by flaming sources using Source 5 (Crib 5).

The sample was tested at 22°C and 52% r.h.

### **Foam Used**

The sample was tested over combustion modified polyurethane foam with a density of approximately 36kg/m<sup>3</sup>.



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## Results

The test results are shown in the tables below:-

The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

|                              | Specimen 1 | Specimen 2 |
|------------------------------|------------|------------|
| Time of Ignition (s)         | 71         | 66         |
| Time of Flame Extinction (s) | 226        | 226        |
| Time of Smoke Extinction (s) | 658        | 628        |
| Time of cover split          | DNO        | DNO        |

### Extent of damage (mm) - Seat

|        |     |     |
|--------|-----|-----|
| Width  | 145 | 110 |
| Length | 100 | 85  |
| Depth  | 45  | 45  |

### Extent of damage (mm) - Back

|        |     |     |
|--------|-----|-----|
| Width  | 130 | 110 |
| Length | 370 | 360 |
| Depth  | 40  | 40  |

|                           |     |     |
|---------------------------|-----|-----|
| Melting                   | No  | No  |
| Dripping                  | No  | No  |
| Charring                  | Yes | Yes |
| Comments and Observations | -   | -   |

### Specimen Result (Ignition or Non-ignition)

Non-Ignition

Non-Ignition

#### Acronyms

ME – Manually extinguished

DNS – Material did not split

BTT – Burnt through thickness of foam

EC – Escalating combustion

DNO – Did not observe time of event

DNI – Did not ignite



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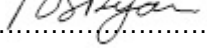
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## Conclusion

The results indicate "Non-ignition" of the materials and the test is designated **NI/5** (ie. Pass)

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:   
R Ryan (Mr)  
Fire Technician

Countersigned By:   
P Doherty  
Operational Head



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## Uncertainty Budget - Annex

The overall uncertainty budget for both BS 5852:Part 1:1979 is as follows:-

±2mm

±2 seconds.



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