



## Confidential Report

**Our Ref: 23/64295H1/11/25**





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Date: 09 December 2025

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**Client:** Zimmer + Rohde GmbH

Zimmersmühlenweg 14-18  
61440 Oberursel  
Frankfurt  
Germany

**Job Title:** Fire Test on One Fabric Sample

**Clients Order Ref:** --

**Date of Receipt:** 17 November 2025

**Date Test Started:** 08 December 2025

**Description of Sample:** One sample of fabric, which was referenced by the client as;  
21305 Minni

**Work Requested:** We were asked to test the received sample to the following standard:  
BS EN 1021:Parts 1 & 2:2014 – Ignitability of Upholstered Furniture

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

Note: This report relates only to the items tested.



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**Client:** Zimmer + Rohde GmbH

## **FIRE TEST ACCORDING TO BS EN 1021-1:2014**

### **Assessment of the ignitability of upholstered furniture. Part I. Ignition Source 0: Smouldering cigarette**

#### **Pre-Treatment**

The material received no pre-treatment as the fabric is stated to not have an FR treatment.

#### **Conditioning**

The materials for testing to Source 0 and 1 were conditioned for a minimum of 24 hours and tested in the environments specified in Clause 7 of BS EN 1021-1 & 2:2014.

The sample was tested in a room of volume 25m<sup>3</sup> and 20°C.

#### **Procedure**

The test was carried out in accordance with BS EN 1021-1:2014. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The sample was tested over non-fire retardant polyurethane foam with a density of approximately 20-22 kg/m<sup>3</sup>.

Tests were made using ignition source 0.

#### **Requirements**

The specimens shall not:-

#### Smouldering Criteria

- a) display escalating combustion requiring active extinction.
- b) smoulder or burn until it is essentially consumed within the test duration.
- c) smoulder or burn to the extremities of the specimen, or through the full thickness, within the duration of the test.
- d) smoulder for more than one hour.
- e) on final examination, show evidence of progressive smouldering.



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**Client:** Zimmer + Rohde GmbH

## Requirements (continued)

### Flaming Criteria

- a) show evidence of flaming initiated by a smouldering source.

## Results

|                                                           | Specimen No. |    |                |
|-----------------------------------------------------------|--------------|----|----------------|
| Smouldering criteria                                      | 1            | 2  | 3 <sup>1</sup> |
| Unsafe escalating combustion                              | No           | No | ---            |
| Testing assembly consumed                                 | No           | No | ---            |
| Smoulders to extremities/full thickness                   | No           | No | ---            |
| Smoulders more than 1 hour                                | No           | No | ---            |
| In final examination, presence of progressive smouldering | No           | No | ---            |

| Flaming criteria                                           | 1         | 2         | 3 <sup>1</sup> |
|------------------------------------------------------------|-----------|-----------|----------------|
| Occurrence of flames                                       | No        | No        | ---            |
| <b>Specimen Result</b><br>Ignition (I) / Non Ignition (NI) | <b>NI</b> | <b>NI</b> | ---            |

Any "Yes" in smouldering or flaming criteria means Ignition

## Note

The 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.

## Comments

An NI designation indicates that the sample meets the performance requirements of BS EN 1021-1.



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**Client:** Zimmer + Rohde GmbH

## **FIRE TESTS ACCORDING TO BS EN 1021-2:2014**

**Assessment of the ignitability of upholstered furniture. Part 2. Ignition Source 1: Match flame equivalent.**

### **Pre-Treatment**

The material received no pre-treatment as the fabric is stated to not have an FR treatment.

### **Conditioning**

The sample was conditioned for at least 24 hours at a temperature of  $23 \pm 2^\circ\text{C}$  and relative humidity of  $50 \pm 5\%$ .

The sample was tested in a room of volume  $25\text{m}^3$  and  $20^\circ\text{C}$ .

### **Procedure**

The test was carried out in accordance with BS EN 1021-2:2014. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The sample was tested over non-fire retardant polyurethane foam with a density of approximately  $20\text{--}22\text{ kg/m}^3$ .

Tests were made using ignition source 1.

### **Requirements**

The specimens shall not:-

#### Smouldering Criteria

- a) display escalating combustion requiring active extinction.
- b) smoulders until it is essentially consumed within the test duration.
- c) smoulder to the extremities of the specimen, or through the full thickness, within the duration of the test.
- d) smoulder for more than one hour.
- e) show evidence of charring, other than discolouration, for more than 100mm in any direction apart from the nearest part of the original position of the source.



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Client: Zimmer + Rohde GmbH

## Requirements (Continued)

### Flaming Criteria

- a) display escalating combustion requiring active extinction.
- b) burns until it is essentially consumed within the test duration.
- c) burns to the extremities of the specimen, or through the full thickness, within the duration of the test.
- d) exhibit any flaming for more than 120 seconds after removal of the burner tube.

## Results

|                                                           | Specimen No. |          |          |
|-----------------------------------------------------------|--------------|----------|----------|
| <b>Smooldering criteria</b>                               | <b>1</b>     | <b>2</b> | <b>3</b> |
| Unsafe escalating combustion                              | No           | No       | No       |
| Testing assembly consumed                                 | No           | No       | No       |
| Smoolders to extremities/full thickness                   | No           | No       | No       |
| Smoolders more than 1 hour                                | No           | No       | No       |
| In final examination, presence of progressive smouldering | No           | No       | No       |

| <b>Flaming criteria</b>              | <b>1</b> | <b>2</b> | <b>3</b> |
|--------------------------------------|----------|----------|----------|
| Unsafe escalating combustion         | No       | No       | No       |
| Testing assembly consumed            | No       | No       | No       |
| Flames to extremities/full thickness | No       | No       | No       |
| Flames longer than 120 seconds       | Yes      | No       | Yes      |
|                                      |          |          |          |
| <b>Specimen Result</b>               |          |          |          |
| Ignition (I) / Non Ignition (NI)     | I        | NI       | I        |

### Note

The 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.



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## Comments

An I designation indicates that the sample fails to meet the performance requirements of BS EN 1021-2.

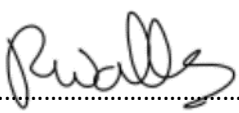
Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

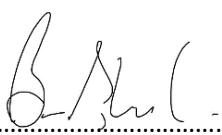
See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

## Uncertainty Budget

The overall uncertainty budget for both BS EN 1021: Part 1 and 2:2014 is as follows:-

Timings:  $\pm 2$  seconds.  
Measurements:  $\pm 2$ mm.

Reported by:  R Walls, Laboratory Technician

Countersigned by:  B Bland, Technical Customer Service Officer

Enquiries concerning this report should be addressed to Customer Services.



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