

## FLAMMABILITY TEST REPORT

**Report No.:** LEI23092088A  
Original

**Date Received:** 28/09/23

**Date Tested:** 04/10/23

**Date Issued:** 04/10/23

**Company Name & Address:** TRENTSIDE PRODUCTS LTD  
UNIT 1 ORCHARD COURT  
SUTTON IN ASHFIELD  
NG17 1HX

**Contact Name:** JADE CLARK

### Sample Details

Order: Not stated  
Description: TRENTEX TX023  
Ref. / Style No.: Not stated  
Colour: BLACK 100 gsm  
Quality: Not stated  
Supplier: Not stated  
Batch No.: Not stated  
End Use: Not stated  
Quoted Fibre Composition: Not stated  
Number of Samples: Not stated  
Retailer: Not stated  
Specification No.: Not stated  
Sample Description: Black coloured nonwoven material

| Test Method                                                 | Pre Treatment | Requirement                                                                                                                                                        | Result          |
|-------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| BS 5852: Part 1: 1979,<br>Ignition source 0<br>(Cigarette). | None          | Compliance with Schedule 4 Part 2<br>(Cigarette test for invisible parts) of<br>The Furniture and Furnishings (fire)<br>(safety) Regulations 1988 (as<br>amended). | <b>Complies</b> |
| BS 5852: Part 1: 1979,<br>Ignition source 1<br>(Match)      | None          | Compliance with Schedule 5 Part 3<br>(Match test for invisible parts) of The<br>Furniture and Furnishings (fire)<br>(safety) Regulations 1988 (as<br>amended).     | <b>Complies</b> |

.....  
**STEVEN OWEN**  
(Technical, Quality &  
Systems Director)

.....  
  
**ANDREW HALLETT**  
(Flammability Team Leader)

.....  
**CAROLE SPOWART**  
(Flammability  
Administrator)

.....  
**TREFOR LEE**  
(Senior Flammability  
Technician)

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### Test Specification

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test method             | BS 5852: Part 1: 1979 as modified by Schedule 4 Part 2 & Schedule 5 Part 3 of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). |
| Ignition Source:        | Ignition source 0: Filterless cigarette<br>Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C.                                                       |
| Flame application time: | 20±1 seconds                                                                                                                                               |
| Side tested:            | Face                                                                                                                                                       |

### Uncertainty of Measurement

The uncertainty of measurement for Schedule 4 Part 2 source 0 has been estimated to be 0.03%  
The uncertainty of measurement for Schedule 5 Part 3 source 1 has been estimated to be 5.43%

### Filling Specification

|                     |                                                   |
|---------------------|---------------------------------------------------|
| Filling type:       | Polyurethane foam                                 |
| Supplier / grade:   | Carpenter / RX25140 combustion modified           |
| Size:               | 450 x 300 x 75mm (back) & 450 x 150 x 75mm (seat) |
| Density / Hardness: | 24-26 kg/m <sup>3</sup> / 120-160N                |

### Pre-treatment / Durability procedure

None

### Conditioning

|                     |                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prior to testing:   | At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20% |
| At time of testing: | Temperature between 15°C & 30°C. Relative humidity between 20% & 70%                                                                                     |

### Test Results

*"The following test results relate only to the ignitability of the combinations 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 0 (Test 1): | The cigarette burnt out within 19 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b> |
| Ignition source 0 (Test 2): | The cigarette burnt out within 20 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b> |
| Ignition source 1 (Test 1): | Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>        |
| Ignition source 1 (Test 2): | Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>        |

### Conclusions

The composite tested meets the requirements of Schedule 4 Part 2 (Cigarette test for invisible parts) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

The fabric tested meets the requirements of Schedule 5 Part 3 (Match test for invisible parts) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of  $k = 2$ , providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.