



# Confidential Report

**Our Ref: 23/63047A/04/25**





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.  
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Date: 23 April 2025

Our Ref: 23/63047A/04/25

Your Ref: 83A32161

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**Client:**

**Camira Fabrics Ltd**

The Watermill  
Wheatley Park  
Mirfield  
West Yorkshire  
WF14 8HE

**Job Title:**

Fire Test on One Fabric Sample

**Clients Order Ref:**

83A32161

**Date of Receipt:**

08 April 2025

**Date Test Started:**

22 April 2025

**Description of Sample:**

One sample of fabric, which was referenced by the client as;  
RePlay Zero + Eco FR, Batch 576805, Colour: Flip

**Work Requested:**

We were asked to make the following fire test:

IMO FTP Code 2010:Part 8

- \* 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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### Product Description

|                                                                                       |                                                                                         |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Company Name                                                                          | <b>Camira Fabrics</b>                                                                   |
| <b>FABRIC</b>                                                                         |                                                                                         |
| Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.                              | <b>Upholstery Fabric</b>                                                                |
| Name and/or Identification of the Product Tested                                      | <b>RePlay Zero + Eco FR</b>                                                             |
| Materials of the Product and its Composite Ratio (i)                                  | <b>Face: 100% Post -Consumer Recycled polyester<br/>Backing: 100% FR Coated Viscose</b> |
| Composition of Weave (ii)                                                             | <b>Flat Woven</b>                                                                       |
| Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and       | <b>IP</b>                                                                               |
| Yarn Number Count                                                                     | <b>IP</b>                                                                               |
| Thickness (mm)                                                                        | <b>1.1 mm</b>                                                                           |
| Mass per Unit Area (g/m <sup>2</sup> )                                                | <b>540 g/m<sup>2</sup></b>                                                              |
| Colour and Tone (iii)                                                                 | <b>Flip</b>                                                                             |
| Method and Quantity of Fire Retardant Treatment (type and amount per m <sup>2</sup> ) | <b>FR Coated Viscose Backing</b>                                                        |
| <b>FILLINGS (if applicable)</b>                                                       |                                                                                         |
| Material (Name of the Manufacturer, Type Designation);                                | <b>N/A</b>                                                                              |
| Weight per Unit Volume (kg/m <sup>3</sup> )                                           | <b>N/A</b>                                                                              |
| Method and Quantity of Fire Retardant Treatment (type and amount)                     | <b>N/A</b>                                                                              |

- (i) Such as wool, nylon, polyester, etc.  
(ii) Such as plain, weave, twilled.  
(iii) If the product has a pattern, the representative colour shall be described.



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## Testing to IMO FTP Code 2010 : Part 8 Test for Upholstered Furniture

### Conditioning

Immediately prior to testing the samples was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of  $23\pm 2^{\circ}\text{C}$  temperature and  $50\pm 5\%$  relative humidity for at least 16 hours.

The samples were tested in a room of volume  $25\text{m}^3$  and  $19^{\circ}\text{C}$ .

### Procedure

The samples was tested in accordance with IMO FTP Code 2010:Part 8 using ignition sources 0 and 1. 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  $20\text{-}22\text{kg/m}^3$ .

### Requirements

- |                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Ignition Source 0 | No progressive smouldering or flaming within 1 hour of the placement of the cigarette.         |
| Ignition Source 1 | All progressive smouldering and flaming to cease within 120 sec of removal of the burner tube. |

### Cigarette Specification (Source 0)

|                              |              |
|------------------------------|--------------|
| Dimensions (mm)              | 69mm x 8.0mm |
| Mass (g)                     | 0.92         |
| Smouldering Rate (mins/secs) | 9m 34s       |





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## Results

### Cigarette Test – Source 0

| Specimen No.                        | 1    | 2    |
|-------------------------------------|------|------|
| Extinction Time (smouldering) (min) | 26   | 27   |
| Time of cover split                 | DNS  | DNS  |
| Melting (Yes/No)                    | Yes  | Yes  |
| Dripping (Yes/No)                   | No   | No   |
| Charring (Yes/No)                   | Yes  | Yes  |
| Progressive Smouldering (Yes/No)    | No   | No   |
| Observations                        | DNS  | DNS  |
| Pass/Fail                           | PASS | PASS |

Result of the Cigarette Test: Pass

### Propane Flame Test – Source 1

| Specimen No.                                          | 1    | 2    |
|-------------------------------------------------------|------|------|
| Time of Ignition (s)                                  | 4    | 4    |
| Extinction time of flames after removal of burner (s) | 1    | 1    |
| Time to Cover Split (s)                               | DNS  | DNS  |
| Melting (Yes/No)                                      | Yes  | Yes  |
| Dripping (Yes/No)                                     | No   | No   |
| Charring (Yes/No)                                     | Yes  | Yes  |
| Progressive smouldering (Yes/No)                      | No   | No   |
| Observations:                                         | DNS  | DNS  |
| Pass/Fail                                             | PASS | PASS |

Result of the Flame Test: Pass

#### Acronym

DNP – Did not propagate  
 ES – Escalating smouldering  
 BTE – Burnt to extremities

EC – Escalating combustion  
 DNS – Material did not split

ME – Manually extinguished  
 DNO – Did not observe time of event



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## Note

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

## Comment

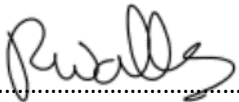
In our opinion, based on the test carried out on the sample supplied; the results indicate that the sample meets the requirements according to IMO FTP Code 2010:Part 8.

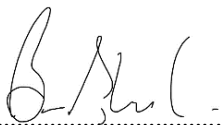
Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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

## Uncertainty Budget

Measurements:  $\pm 2\text{mm}$   
Timings:  $\pm 2$  seconds.

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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