

## T e s t R e p o r t

**Report No.** : PS1183520811 A2

**Client** : Floreon Technology Limited  
Sheffield Technology Parks  
Room 106, Cooper Buildings  
Arundel Street  
Sheffield  
S1 2NS

**Description** : Therma-Tech

**Manufacturer** : Floreon Technology Limited

**Type/Model** : R2305-03

**Test Specification** : BS EN 60695-2-11:2014 – Glow-wire flammability test method for end-products (GWEPT)

**Date(s) of Testing** : 29/04/2025

**Conclusion** : Refer to body of report

**Date of Issue** : 07/05/2025

**Tested by:** K. L  
**Position:** Laboratory Technician

**Approved by:** J. A  
**Position:** Technical and  
Accreditation Manager



## **INTRODUCTION**

Floreon Technology Limited have supplied the product identified in Table 1 for glow-wire flammability testing in accordance with the specification detailed on page one of this report.

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Therma-Tech
Model No.	R2305-03
Number of Samples tested	2 (650°C and 950°C)
Date of Receipt	14/04/2025
Condition on Receipt	Good
Product Specification and Preparation	
Length:	100mm
Width:	100mm
Height:	2.14mm
Method of preparation:	An aperture has been cut in the complete end product to allow for the glow-wire access.
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	
Note: The test results relate only to the sample(s) tested. The testing performed is type testing only not a statement on on-going production	
<p>* Taking the Laboratory's uncertainty of measurement into account, a decision rule has been applied to the measured values to establish conformity. The decision rule is based on Procedure 1 of IEC Guide 115.</p> <p>Where the measured value falls above the limit value specified in the test standard, or where a tolerance is specified and the measured value falls above the upper tolerance limit, the result is considered a fail.</p> <p>Where the measured value falls below the limit value specified in the test standard, or where a tolerance is specified the measured value falls below the upper tolerance limit, if after taking the Laboratory's uncertainty of measurement into account the value falls above the limit and the difference is &gt;50% of the Laboratory's uncertainty, the result is considered a fail.</p> <p>Where this report is being used as a means of demonstrating conformity to EU Directive 2014/35/EU, and/or UK SI 2016 No. 1101 – The Electrical Equipment (Safety) Regulations 2016, the risk of false acceptance may result in a presumption of conformity where it should not.</p>	

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## **RESULTS**

<b><u>CLAUSE</u></b>	<b><u>CLAUSE TITLE AND RESULTS</u></b>
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7.1	<b><u>Conditioning of test specimens</u></b>
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The test specimen has been conditioned for 24 hours in an atmosphere having a temperature between 15°C and 35°C and a relative humidity between 45% and 75%.

8.1	<b><u>General</u></b>
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The test specimen has been arranged so that the tip of the glow-wire was applied to the part of the surface which is likely to be subjected to thermal stresses in normal use. The glow-wire has been maintained as close to horizontal as is practicable.

8.2/9	<b><u>Test Temperature and Observations</u></b>
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When subjected to the glow-wire test at 650°C, the sample did not ignite and no drop occurred to the tissue paper situated beneath the test sample.

When subjected to the glow-wire test at 950 °C, the sample did not ignite and no drop occurred to the tissue paper situated beneath the test sample.

The requirement of the Standard is that the duration of any burning shall not exceed 30 seconds after removal of the glow-wire and any burning drop from the sample shall not ignite the underlying parts of tissue paper spread out horizontally 200mm below the sample.

**The test specimen is therefore deemed to comply with the requirements of clause 10, 650°C and 950°C glow wire test.**

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## **DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

## **ILLUSTRATION**



Figure 1. *Product image*

End