



Confidential Report

Our Ref: 27/06950A/11/25

This report relates only to the items tested.
All tests were carried out in the laboratories in Leeds, unless otherwise indicated.

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Date: 12 December 2025
Our Ref: 27/06950A/11/25
Your Ref: JG/BTTG-KV.22258
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Flamentek Limited

1 Introduction

This classification report defines the classification assigned to Hero/Hero Heather - Woollen fabric (97% new wool, 3% recycled nylon) (as described by the sponsor) in accordance with the procedures given in BS EN 13501-1:2018.

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH BS EN 13501-1:2018

Sponsor: Flamentek Limited
Prepared by: BTTG Testing & Certification Ltd
Product name: Hero/Hero Heather - Woollen fabric (97% new wool, 3% recycled nylon)
Classification report no.: 27/06950A/11/25
Issue number: 1
Date of issue: 12 December 2025

This classification report consists of five pages and may only be used or reproduced in its entirety.

Note: This report relates only to the samples submitted and as described in the report.

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2 Details of classified product

2.1 General

The product, Hero/Hero Heather - Woollen fabric (97% new wool, 3% recycled nylon), is defined as a type of product according to BS EN 15102:2007+A1:2011.

2.2 Product description

The product, Hero/Hero Heather - Woollen fabric (97% new wool, 3% recycled nylon), is described below as:-

| | | |
|--|---------------------------------|---|
| General description | | Hero/Hero Heather (ex. Kvadrat A/S) – woollen fabric (97% new wool, 3% recycled nylon) |
| Product reference of composite | | Not Supplied |
| Name of manufacturer of composite | | Not Supplied |
| Thickness of composite | | Not Supplied |
| Surface | Generic type | Wallcovering fabric |
| | Product reference | Hero/Hero Heather (ex. Kvadrat A/S) – woollen fabric (97% new wool, 3% recycled nylon) |
| | Name of manufacturer | Not Supplied |
| | Thickness | 1-2 mm |
| | Density / weight per unit area | Not Supplied |
| | Colour reference | Not Supplied |
| | Trade name of flame retardant | Duraflam® flame retardant formulation by Fabric Flare Solutions Ltd |
| | Generic type of flame retardant | Water based intumescent |
| Amount of flame retardant | | 1 litre to 8m ² |
| Brief description of manufacturing process | | Duraflam® Flame Retardant formulation applied to 'Hero/Hero Heather' wallcovering fabric. |
| Additional Information | | Ref: 22258 – Kvadrat A/S |

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3 Reports and results in support of this classification

3.1 Reports

| Name of Laboratory | Name of sponsor | Report reference number | Test method and date Field of application rules and date" |
|----------------------------------|-------------------|-------------------------|---|
| BTTG Testing & Certification Ltd | Flamentek Limited | 27/06950/11/25 | BS EN ISO 11925-2:2020 BS EN 13823:2020+A1:2022 |

3.2 Results

| Test method and test number | Parameter | No. Tests (specimens) | Results | |
|--------------------------------|--|-----------------------|---------------------------------|--|
| | | | Continuous parameter – mean (m) | Compliance with Class B, s2, d0 parameters |
| BS EN ISO 11925-2:2020 | FS (mm) | 6 | <150mm within 60s | Compliant |
| | Flaming Droplets / particles | | No | Compliant |
| BS EN 13823:2020+A1:2022 | FIGRA _{0.2MJ} (W/s) | 3 | 6.4 | Compliant |
| | FIGRA _{0.4MJ} (W/s) | | 6.4 | |
| | THR _{600s} (MJ) | | 1.2 | |
| | LFS to edge (yes or no) | | No | |
| | SMOGRA (m ² /s ²) | | 36.0 | |
| | TSP _{600s} (m ²) | | 52.1 | |
| | FDP flaming ≤ 10 s (yes or no) | | No | |
| FDP flaming > 10 s (yes or no) | No | Compliant | | |



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4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with BS EN 13501-1:2018.

4.2 Classification

The product Hero/Hero Heather - Woollen fabric (97% new wool, 3% recycled nylon), in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke is:

s2

The additional classification in relation to flaming droplets / particles is:

d0

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|----------|---|------------------|----------|
| B | - | s | 2 | - | d | 0 |

Reaction to fire classification: B s2 d0

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4.3 Field of application

This classification is valid for the following product parameters:

| | |
|----------------------------------|----------------------------|
| Generic Type: | Wallcovering fabric |
| Fabric Composition: | 97% wool, 3% nylon |
| Thickness: | 1-2mm |
| Flame Retardant: | Duraflam® |
| Generic Type of flame retardant: | Water based intumescent |
| Amount of Flame Retardant: | 1 litre to 8m ² |

The classification is valid for the following end use applications:

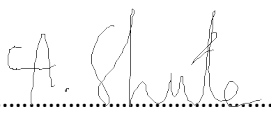
- i) Installations over any substrate with a density of at least 75 % of 870kg/m³, and a fire performance of classes A1 and A2-s1,d0 or better, excluding paper faced gypsum plasterboard.
- ii) Installations where the product is wrapped and mechanically fixed over a substrate.

5 Limitations

This classification document does not represent type approval or certification of the product.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Reported by: 

SIGNED BY

A Shute,
Section Leader,


.....
APPROVED BY

P Doherty
Manager

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