



Confidential Report

Our Ref: 27/06468C/05/24

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.

BTTG™ and Shirley® are trade names of Shirley Technologies Limited

The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.

Our laboratories are accredited to EN ISO/IEC 17025.

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Date: 6 May 2024
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1 Introduction

This classification report defines the classification assigned to **Unlit Block Out** (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: Kvadrat High Performance Textiles B.V.

Prepared by: BTTG Testing & Certification Ltd

Product name: Unlit Block Out/KHPT Fabric 890 – Colour Reference: 190 (black) & Unlit Block Out/KHPT Fabric 890 – Colour Reference: 100 (white)

Classification report no.: 27/06468C/05/24

Issue number: 1

Date of issue: 14 June 2024

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



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Client: **Pitts Presentation**

2 Details of classified product

2.1 General

The product, **Unlit Block Out** is defined by the client.

2.2 Product description

The product **Unlit Block Out/KHPT Fabric 890 – Colour Reference: 190 (black)**, is described below as:-

| | | |
|--|---------------------------------|---|
| General description | | Rollerblind fabric |
| Product reference of composite | | Unlit Block Out/ KHPT fabric 890 |
| Name of manufacturer of composite | | Kvadrat High Performance Textiles B.V. |
| Thickness of composite | | 0,35 mm |
| Surface | Generic type | Polyester fabric |
| | Product reference | |
| | Name of manufacturer | |
| | Thickness | |
| | Density/ weight per unit area | 320 g/m ² |
| | Colour reference | 190 (black) |
| | Trade name of flame retardant | |
| | Generic type of flame retardant | |
| | Amount of flame retardant | |
| Substrate | Generic type | N/A - Free Hanging |
| | Product reference | |
| | Name of manufacturer | |
| | Thickness | |
| | Density/ weight per unit area | |
| | Colour reference | |
| | Trade name of flame retardant | |
| | Generic type of flame retardant | |
| Amount of flame retardant | | |
| Brief description of manufacturing process | | Two sheets of polyester fabric are laminated to each other with a acrylate flame retardant block out in between The laminated complex is coloured by printing. |
| Additional Information | | Polyester fabric coated with aluminum. The fabric is used as rollerblind and comes in a collection of 8 different colours in white, grey, beige and black tone. The weight of the laminated complex is: 320 g/m ² |

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Client: Pitts Presentation

2.2 Product Description (continued)

The product **Unlit Block Out/KHPT Fabric 890 – Colour Reference: 100 (white)**, is described below as:

| | | |
|--|---------------------------------|--|
| General description | | Rollerblind fabric |
| Product reference of composite | | Unlit Block Out/ KHPT fabric 890 |
| Name of manufacturer of composite | | Kvadrat High Performance Textiles B.V. |
| Thickness of composite | | 0,35 mm |
| Surface | Generic type | Polyester fabric |
| | Product reference | |
| | Name of manufacturer | |
| | Thickness | |
| | Density/ weight per unit area | 320 g/m ² |
| | Colour reference | 100 (white) |
| | Trade name of flame retardant | |
| | Generic type of flame retardant | |
| | Amount of flame retardant | |
| Substrate | Generic type | N/A - Free Hanging |
| | Product reference | |
| | Name of manufacturer | |
| | Thickness | |
| | Density/ weight per unit area | |
| | Colour reference | |
| | Trade name of flame retardant | |
| | Generic type of flame retardant | |
| Amount of flame retardant | | |
| Brief description of manufacturing process | | Two sheets of polyester fabric are laminated to each other with a acrylate flame retardant block out in between The laminated complex is coloured by printing. |
| Additional Information | | Polyester fabric coated with aluminum. The fabric is used as rollerblind and comes in a collection of 8 different colours in white, grey, beige and black tone. The weight of the laminated complex is: 320 g/m ² |

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Client: **Pitts Presentation**

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 | Kvadrat High Performance Textiles B.V. | 27/06468A/05/24 | BS EN ISO 11925-2:2020 BS EN 13823:2020+A1:2022 |
| BTTG Testing & Certification Ltd | Kvadrat High Performance Textiles B.V. | 27/06468B/05/24 | BS EN 13823:2020+A1:2022 (Indicative) |

3.2 Results

| Reference: Unlit Block Out/KHPT Fabric 890 – Colour Reference: 190 (black) | | | | | |
|--|---------------|--|-----------------------|--|--|
| Test method and test number | | Parameter | No. Tests (specimens) | Results | |
| | | | | Continuous parameter – mean (m) | Compliance with Class B, s1, d0 parameters |
| BS EN ISO 11925-2:2020 | Face Ignition | FS (mm) | 6 | <150mm within 60s | Compliant |
| | | Flaming Droplets / particles | | No | Compliant |
| | Edge Ignition | FS (mm) | 6 | <150mm within 60s | Compliant |
| | | Flaming Droplets / particles | | No | Compliant |
| BS EN 13823:2020+A1:2022 | | FIGRA _{0.2MJ} (W/s) FIGRA _{0.4MJ} (W/s) THR _{600s} (MJ) LFS to edge SMOGRA (m ² /s ²) TSP _{600s} (m ²) FDP flaming ≤ 10 s FDP flaming > 10 s | 3 | 7.0 7.0 0.9 No 0.0 19.5 No No | Compliant |



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3.2 Results (Continued)

| Reference: Unlit Block Out/KHPT Fabric 890 – Colour Reference: 100 (white) | | | | |
|--|--|-----------------------|---------------------------------|--|
| Test method and test number | Parameter | No. Tests (specimens) | Results | |
| | | | Continuous parameter – mean (m) | Compliance with Class B, s1, d0 parameters |
| BS EN 13823:2020+A1:2022 Indicative | FIGRA _{0.2MJ} (W/s) | 1 | 0.0 | Compliant |
| | FIGRA _{0.4MJ} (W/s) | | 0.0 | |
| | THR _{600s} (MJ) | | 0.6 | |
| | LFS to edge | | No | |
| | SMOGRA (m ² /s ²) | | 0.0 | |
| | TSP _{600s} (m ²) | | 20.0 | |
| | FDP flaming ≤ 10 s | | No | |
| | FDP flaming > 10 s | | No | |



Client: **Pitts Presentation**

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 **Unlit Block Out/KHPT Fabric 890**, in relation to its reaction to fire behaviour is classified:
B

The additional classification in relation to smoke is:
s1

The additional classification in relation to flaming droplets / particles is:
d0

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|----------|---|------------------|----------|
| B | - | s | 1 | - | d | 0 |

Reaction to fire classification: B s1 d0



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4.3 Field of application

This classification is valid for the following product parameters:

Product: -- Unlit Block Out/KHPT Fabric 890
Composition: -- Two sheets of polyester fabric coated with aluminum
Thickness: -- 0,35 mm
Weight: -- 320g/m²
Colour: -- Applies to all colours

The classification is valid for the following end use applications:

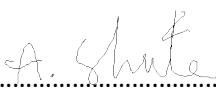
- i) Free hanging, over air gap ≥ 80 mm.

5 Limitations

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

Reported by: 

SIGNED BY
G Harvey (Mr),
Fire Technician,



APPROVED BY
A Shute
Section Leader

Enquiries concerning this report should be addressed to Customer Services.