



# Confidential Report

**Our Ref: 27/06859C/08/25**

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.  
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Date: 23 September 2025  
Our Ref: 27/06859C/08/25  
Your Ref: KHPT180825  
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## 1 Introduction

This classification report defines the classification assigned to Ferrite / KHPT-861 (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  
**Prepared by:** BTTG Testing & Certification Ltd  
**Product name:** Ferrite / KHPT-861 - Colour: 0111  
**Classification report no.:** 27/06859C/08/25  
**Issue number:** 1  
**Date of issue:** 23 September 2025

This classification report consists of eight 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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Client: **Kvadrat High Performance Textiles**

## 2 Details of classified product

### 2.1 General

The products, Ferrite / KHPT-861, are defined by the client.

The lightest and darkest shades from the range were selected for testing.

### 2.2 Product description

The product, Ferrite / KHPT-861 - Colour: 0111 (light grey), is described below as:-

General description		Rollerblind fabric
Product reference of composite		<b>Ferrite / KHPT 861</b>
Name of manufacturer of composite		Kvadrat High Performance Textiles B.V.
Thickness of composite		0,40 mm
Printed Finish (surface)	Generic type	-
	Product reference	-
	Name of manufacturer	-
	Colour reference	0111(light grey)
	Application rate/ thickness	-
	Application method	Transfer printing
	Trade name of flame retardant	-
	Generic type of flame retardant	-
	Amount of flame retardant	-
Fabric	Generic type	Recycled Polyester fabric
	Product reference	Ferrite/ KHPT-861
	Name of manufacturer	Kvadrat High Performance Textiles B.V.
	Thickness	0.40mm
	Density/ weight per unit area	270 g/m <sup>2</sup>
	Colour reference	-
	Trade name of flame retardant	Thor Aflammit PCO 962
	Generic type of flame retardant	Organophosphororous
	Amount of flame retardant	2-5%

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**Client: Kvadrat High Performance Textiles**

## 2.2 Product description (Continued)

Underside Finish (Back)	Generic type	Vacuum metallized aluminum coating
	Product reference	-
	Name of manufacturer	-
	Thickness	<0,001mm
	Weight per unit area	<0,5 g/m <sup>2</sup>
	Colour reference	Metallic aluminium
	Trade name of flame retardant	-
	Generic type of flame retardant	-
	Amount of flame retardant	-
Brief description of manufacturing process		Woven polyester fabric, backside vacuum metallized with aluminium, finished with flame-retardant additives and frontside coloured by transfer printing.
Additional Information		The fabric is used for roller blinds and comes in a collection of several colours.

The product, Ferrite / KHPT-861 - Colour: 0191 (black), is described below as:-

General description		Rollerblind fabric
Product reference of composite		<b>Ferrite/ KHPT 861</b>
Name of manufacturer of composite		Kvadrat High Performance Textiles B.V.
Thickness of composite		0,40 mm
Printed Finish (surface)	Generic type	-
	Product reference	-
	Name of manufacturer	-
	Colour reference	0191 (black)
	Application rate/ thickness	-
	Application method	Transfer printing
	Trade name of flame retardant	-
	Generic type of flame retardant	-
	Amount of flame retardant	-



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**Client: Kvadrat High Performance Textiles**

## 2.2 Product Description (Continued)

Fabric	Generic type	Recycled Polyester fabric
	Product reference	Ferrite/ KHPT-861
	Name of manufacturer	Kvadrat High Performance Textiles B.V.
	Thickness	0.40mm
	Density/ weight per unit area	270 g/m <sup>2</sup>
	Colour reference	-
	Trade name of flame retardant	Thor Aflammit PCO 962
	Generic type of flame retardant	Organophosphorous
	Amount of flame retardant	2-5%
Underside Finish (Back)	Generic type	Vacuum metallized aluminium coating
	Product reference	-
	Name of manufacturer	-
	Thickness	<0,001mm
	Weight per unit area	<0,5 g/m <sup>2</sup>
	Colour reference	Metallic aluminium
	Trade name of flame retardant	-
	Generic type of flame retardant	-
Amount of flame retardant	-	
Brief description of manufacturing process		Woven polyester fabric, backside vacuum metallized with aluminium, finished with flame-retardant additives and frontside coloured by transfer printing.
Additional Information		The fabric is used for roller blinds and comes in a collection of several colours.

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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	Kvadrat High Performance Textiles	27/06859A/08/25	BS EN 13823:2020+A1:2022 (Indicative)
BTTG Testing & Certification Ltd	Kvadrat High Performance Textiles	27/06859B/08/25	BS EN ISO 11925-2:2020 BS EN 13823:2020+A1:2022

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Client:

**Kvadrat High Performance Textiles**

### 3.2 Results

Ferrite / KHPT-861 – Colour: 0111 (light grey)				
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	FIGRA <sub>0.2MJ</sub> (W/s)	1	5.0	Compliant
	FIGRA <sub>0.4MJ</sub> (W/s)		5.0	
	THR <sub>600s</sub> (MJ)		0.6	
	LFS to edge (yes or no)		No	
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		0	
	TSP <sub>600s</sub> (m <sup>2</sup> )		0.1	
	FDP flaming ≤ 10 s (yes or no)		No	
	FDP flaming > 10 s (yes or no)		No	

Ferrite / KHPT-861 – Colour: 0191 (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	FS (mm)	6	<150mm within 60s	Compliant
	Flaming Droplets / particles		No	Compliant
BS EN 13823:2020+A1:2022	FIGRA <sub>0.2MJ</sub> (W/s)	3	5.9	Compliant
	FIGRA <sub>0.4MJ</sub> (W/s)		5.9	
	THR <sub>600s</sub> (MJ)		0.9	
	LFS to edge (yes or no)		No	
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		0	
	TSP <sub>600s</sub> (m <sup>2</sup> )		15.0	
	FDP flaming ≤ 10 s (yes or no)		No	
	FDP flaming > 10 s (yes or no)		No	



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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 Ferrite / KHPT-861, 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:

**0**

Fire behaviour		Smoke production			Flaming droplets	
<b>B</b>	-	<b>s</b>	<b>1</b>	-	<b>d</b>	<b>0</b>

**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:

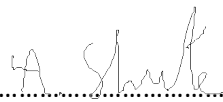
Product: Ferrite / KHPT-863  
Composition: Recycled Polyester fabric with transfer printed face and a backside vacuum metallized with aluminium  
Overall Thickness: 0.40mm  
Weight: 270 g/m<sup>2</sup>  
Colour: Applies to all colours

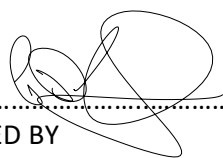
The classification is valid for the following end use applications:

- i) Installation where the product is free hanging or loosely hung without a substrate.

## 5 Limitations

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

Reported by:   
SIGNED BY  
A Shute,  
Section Leader,

  
APPROVED BY  
P Doherty  
Manager

Enquiries concerning this report should be addressed to Customer Services.

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