



Confidential Report

Our Ref: 27/06655C/12/24





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Date: 19 February 2025
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Kvadrat High Performance Textiles

1 Introduction

This classification report defines the classification assigned to Clearview / KHPT fabric 833 (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: Clearview / KHPT fabric 833, Colour: Light Grey 0100
Clearview / KHPT fabric 833, Colour: Light Dark 0190

Classification report no.: 27/06655C/12/24

Issue number: 1

Date of issue: 19 February 2025

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



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Client: **Kvadrat High Performance Textiles**

2 Details of classified product

2.1 General

The products, Clearview / KHPT fabric 833, Light Grey 0100 and Dark Grey 0190 defined by the client.

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

2.2 Product description

The products, Clearview / KHPT fabric 833, Light Grey 0100 and Dark Grey 0190, are described below as:-

General description		Rollerblind fabric
Product reference of composite		Clearview / KHPT fabric 833
Name of manufacturer of composite		Kvadrat High Performance Textiles B.V.
Thickness of composite		0,37 mm
Surface	Generic type	
	Product reference	
	Name of manufacturer	
	Thickness	
	Density / weight per unit area	
	Colour reference	Light Grey 0100
	Trade name of flame retardant	
	Generic type of flame retardant	
Adhesive	Generic type	none
	Amount of flame retardant	
Substrate	Generic type	Polyester fabric, backside vacuum metallized with aluminium
	Product reference	Clearview / KHPT fabric 833
	Name of manufacturer	Kvadrat High Performance Textiles B.V.
	Thickness	0.37 mm
	Density / weight per unit area	205 g/m ²
	Colour reference	0100
	Trade name of flame retardant	Thor Aflammit PCO 962
	Generic type of flame retardant	Organophosphororous
Amount of flame retardant	2 – 5 %	
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.
Requested testing		EN 13501 -1 (free hanging)

Client: Kvadrat High Performance Textiles

2.2 Product description (continued)

The product, Clearview / KHPT fabric 833, Colour: Dark Grey 0190, is described below as:-

General description		Rollerblind fabric
Product reference of composite		Clearview / KHPT fabric 833
Name of manufacturer of composite		Kvadrat High Performance Textiles B.V.
Thickness of composite		0,37 mm
Surface	Generic type	
	Product reference	
	Name of manufacturer	
	Thickness	
	Density / weight per unit area	
	Colour reference	Dark Grey 0190
	Trade name of flame retardant	
	Generic type of flame retardant	
Amount of flame retardant		
Adhesive	Generic type	none
Substrate	Generic type	Polyester fabric, backside vacuum metallized with aluminium
	Product reference	Clearview / KHPT fabric 833
	Name of manufacturer	Kvadrat High Performance Textiles B.V.
	Thickness	0.37 mm
	Density / weight per unit area	205 g/m ²
	Colour reference	0190
	Trade name of flame retardant	Thor Aflammit PCO 962
	Generic type of flame retardant	Organophosphorous
Amount of flame retardant		2 – 5 %
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.
Requested testing		EN 13501 -1 (free hanging)

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Client: **Kvadrat High Performance Textiles**

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.	27/06655A/12/24	BS EN 13823:2020+A1:2022 (Indicative)
BTTG Testing & Certification Ltd	Kvadrat High Performance Textiles B.V.	27/06655B/12/24	BS EN ISO 11925-2:2020 BS EN 13823:2020+A1:2022

3.2 Results

Clearview / KHPT fabric 833, Colour: Light Grey 0100				
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) 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	1	7.1 7.1 1.0 No 0 18.7 No No	Compliant



TESTING • CERTIFICATION • AUDITING

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3.2 Results (Continued)

Clearview / KHPT fabric 833, Colour: Dark Grey 0190				
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 _{0.2MJ} (W/s)	3	5.7	Compliant
	FIGRA _{0.4MJ} (W/s)		5.7	
	THR _{600s} (MJ)		0.9	Compliant
	LFS to edge (yes or no)		No	
	SMOGRA (m ² /s ²)		0.5	
	TSP _{600s} (m ²)		23.4	
	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 Clearview / KHPT fabric 833, 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:

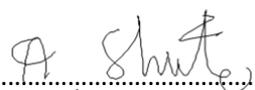
Product: Clearview / KHPT fabric 833
Composition: Woven polyester fabric, backside vacuum metallized with aluminium, finished with flame-retardant additives and frontside coloured by transfer printing.
Thickness: 0.37 mm
Weight: 205 g/m²
Colour: Applies to all colours

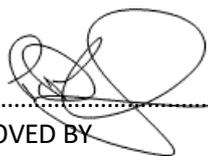
The classification is valid for the following end use applications:

- i) The sample was tested free hanging, with an air gap 80mm, simulating free standing.

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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