



Confidential Report

Our Ref: 27/06779A/05/25

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.

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Date: 02 June 2025

Our Ref: 27/06779A/05/25

Your Ref: JG/BTTG-KV.22215

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Flamentek Limited

1 Introduction

This classification report defines the classification assigned to Steelcut Trio - woven fabric (90% new wool worsted, 10% 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:	Steelcut Trio - woven fabric (90% new wool worsted, 10% nylon)
Classification report no.:	27/06779A/05/25
Issue number:	1
Date of issue:	02 June 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, Steelcut Trio - woven fabric (90% new wool worsted, 10% nylon), is defined as a type of product according to BS EN 15102:2007+A1:2011.

2.2 Product description

The product, Steelcut Trio - woven fabric (90% new wool worsted, 10% nylon), is described below as:-

General description		Steelcut Trio (ex. Kvadrat A/S) – woven fabric (90% new wool worsted, 10% nylon)
Product reference of composite		
Name of manufacturer of composite		
Thickness of composite		
Surface	Generic type	Wallcovering fabric
	Product reference	Steelcut Trio (ex. Kvadrat A/S) – woven fabric (90% new wool worsted, 10% nylon)
	Name of manufacturer	
	Thickness	1-2 mm
	Density / weight per unit area	
	Colour reference	
	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
Substrate	Generic type	
	Product reference	Calcium silicate board (<i>supplied by BTTG</i>)
	Name of manufacturer	
	Thickness	
	Density / weight per unit area	
	Colour reference	
	Trade name of flame retardant	
	Generic type of flame retardant	
Brief description of manufacturing process		Duraflam® Flame Retardant formulation applied to 'Steelcut Trio' wallcovering fabric.
Additional Information		Ref: 22215 – Kvadrat A/S

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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	27/06779/05/25	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	6.9	Compliant
	FIGRA _{0.4MJ} (W/s)		6.9	
	THR _{600s} (MJ)		1.3	Compliant
	LFS to edge (yes or no)		No	
	SMOGR _A (m ² /s ²)		38.2	
	TSP _{600s} (m ²)		90.9	
	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 Steelcut Trio - woven fabric (90% new wool worsted, 10% 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
Thickness:	1-2 mm
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) Substrates of classes A1 and A2-s1,d0 only. The standard calcium silicate board substrate is not representative of a gypsum plasterboard end use substrate.
- ii) This test report is valid for the described wallcovering when installed wrapped and stapled over substrate in end use conditions.

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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