



Confidential Report

Our Ref: 27/06064B/01/23

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: 9 February 2023
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1 Introduction

This classification report defines the classification assigned to 'Steelcut' - woven fabric (90% new wool, 10% nylon) (as described by the sponsor) in accordance with the procedures given in 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' - woven fabric (90% new wool, 10% nylon)
Classification report no.: 27/06064B/01/23
Issue number: 1
Date of issue: 9 February 2023

This classification report consists of six 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: **Flamentek Limited**

2 Details of classified product

2.1 General

The product, 'Steelcut' - woven fabric (90% new wool, 10% nylon), is defined as a type of product according to BS EN 15102:2007+A1:2011.

2.2 Product description

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

Treated with a Duraflam® flame retardant formulation by Fabric Flare Solutions Ltd. Ref: 21983 - Kvadrat A/S

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	27/06064A/01/23	BS EN ISO 11925-2:2020 BS EN 13823:2020

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3.2 Results

Test method and test number	Parameter	No. Tests (specimens)	Results	
			Continuous parameter – mean (m)	Compliance with Class B, s2, d1 parameters
BS EN ISO 11925-2:2020	FS (mm)	6	<150mm within 60s	Compliant
	Flaming Droplets / particles		No	Compliant
BS EN 13823:2020	FIGRA _{0.2MJ} (W/s)	3	71.4	Compliant
	FIGRA _{0.4MJ} (W/s)		66.8	
	THR _{600s} (MJ)		3.3	
	LFS to edge (yes or no)		No	
	SMOGRA (m ² /s ²)		24.0	Compliant
	TSP _{600s} (m ²)		108.0	
	FDP flaming ≤ 10 s (yes or no)		Yes	
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' - woven fabric (90% new wool, 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:
d1

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	-	d	1

Reaction to fire classification: B s2 d1



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4.3 Field of application

This classification is valid for the following product parameters:

Treated with a Duraflam® flame retardant formulation by Fabric Flare Solutions Ltd. Ref: 21983 - Kvadrat A/S

The classification is valid for the following end use applications:

The sample of wallcovering was tested over a 12mm calcium silicate board as defined in BS EN 13238:2010.

Each standard substrate represents end use substrates which have a density of at least 75 % of the nominal value of the density of that standard substrate.

Standard substrates of classes A1 and A2-s1,d0 represent end use 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.

This test report is valid for the described wallcovering when installed wrapped and stapled in end use conditions.




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5 Limitations

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

Reported by: 
SIGNED BY
G Harvey,
Fire Technician,


APPROVED BY
A Shute
Section Leader

Enquiries concerning this report should be addressed to Customer Services.