



Confidential Report

Our Ref: 27/05974E/09/22

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: 22 September 2022

Our Ref: 27/05974E/09/22

Original Ref: 27/05830A/03/22

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1 Introduction

This classification report defines the classification assigned to Canvas (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:	Canvas - woven woollen fabric (90% new wool worsted, 10% nylon)
Classification report no.:	27/05830A/03/22
Issue number:	1
Date of issue:	08 March 2022

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



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2 Details of classified product

2.1 General

The product, Canvas (as described by the sponsor), is defined as a type of product according to BS EN 15102:2007+A1:2011.

2.2 Product description

The product, Canvas (as described by the sponsor), is described below or is described in the reports provided in support of the classification listed in 3.1.

Composition: 90% new wool worsted, 10% nylon
FR Treatment: Duraflam® Flame Retardant Formulation
FR Treatment Applied By: Fabric Flare Solutions Ltd.
Fabric Flare Solutions Ref: 21920
Your Client Ref: 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	27/05830A/03/22	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, d0 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	41.3	Compliant
	FIGRA _{0.4MJ} (W/s)		8.3	
	THR _{600s} (MJ)		1.3	Compliant
	LFS to edge (yes or no)		No	
	SMOGR (m ² /s ²)		7.7	
	TSP _{600s} (m ²)		50.0	
	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 Canvas (as described by the sponsor), 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:

Composition:	90% new wool worsted, 10% nylon
FR Treatment:	Duraflam® Flame Retardant Formulation
FR Treatment Applied By:	Fabric Flare Solutions Ltd.
Fabric Flare Solutions Ref:	21920
Your Client Ref:	Kvadrat A/S

The classification is valid for the following end use applications:

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.

Where the sample is installed loosely hung or mechanically fixed to the substrate with no joints.



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5 Limitations

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

Reported by: 23 Marsden
SIGNED BY
B Marsden (Mrs),
Senior Laboratory Technician,

P Doherty
APPROVED BY
P Doherty
Manager

Enquiries concerning this report should be addressed to Customer Services.