

**Title:**

CLASSIFICATION OF  
REACTION TO FIRE  
PERFORMANCE  
IN ACCORDANCE WITH  
EN 13501-1:2007+A1:  
2009

**Notified Body No:**

0833

**Product Name:**

"Sonus Etch (Scribe)"

**Report No:**

WF 411003

**Issue No:**

1

**Prepared for:**

Camira Fabrics Ltd  
The Watermill  
Wheatley park  
Mirfield  
West Yorkshire  
WF14 8HE

**Date:**

19th March 2019

## 1. Introduction

This classification report defines the classification assigned to “Sonus Etch (Scribe)”, a composite polyester fabric adhered to a calcium silicate substrate, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, “Sonus Etch (Scribe)”, a composite polyester fabric adhered to a calcium silicate substrate, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, “Sonus Etch (Scribe)”, a composite polyester fabric adhered to a calcium silicate substrate, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Composite polyester fabric adhered to a calcium silicate substrate
Product reference of wall covering		“Sonus Etch (Scribe)”
Overall thickness of composite		13.2mm (determined by <a href="#">Warringtonfire</a> )
Overall weight per unit area of composite		12.15kg/m <sup>2</sup> (determined by <a href="#">Warringtonfire</a> )
Range reference of wall covering		“Sonus Etch (Scribe)”
Colour reference of wall covering		“Scribe (HSJR03)” (“Light Grey” as observed by <a href="#">Warringtonfire</a> )
Fabric	Product reference	“Order no: 83A02532”
	Generic type	Composite polyester fabric
	Name of manufacturer	Camira Fabrics Ltd
	Thickness	1.2 mm
	Weight per unit area	200 g/m <sup>2</sup>
	Flame retardant details	<b>See Note 1 below</b>
Adhesive	Generic type	Polyvinyl acetate (PVA)
	Product reference	“J4XL”
	Name of manufacturer	Ace Adhesives
	Application rate	150g/m <sup>2</sup>
	Application method	Manual
	Flame retardant details	<b>See Note 2 below</b>
Substrate	Generic type	Calcium silicate board
	Product reference	“Promat Brandschultzbauplatten Promatect – H”
	Name of manufacturer	Promat
	Thickness	12mm
	Density	870kg/m <sup>3</sup>
	Flame retardant details	This product is inherently flame retardant
Brief description of manufacturing process		<b>See Note 3 below</b>

**Note 1:** The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

**Note 2:** The sponsor was unable to provide this information.

**Note 3:** The sponsor was unwilling to provide this information.

### 3. Test reports & test results in support of classification.

#### 3.1 Test reports.

<b>Name of Laboratory</b>	<b>Name of sponsor</b>	<b>Test reports Nos.</b>	<b>Test method</b>
<b>Warringtonfire</b>	Camira Fabrics Ltd	WF 409769-ISSUE 2	EN ISO 11925-2
<b>Warringtonfire</b>	Camira Fabrics Ltd	WF 409768-ISSUE 2	BS EN 13823

### 3.2 Test results

Test method & test number		Parameter	No. tests	Results	
				Continuous parameter - Max/Mean (m)	Compliance parameters
EN ISO 11925-2	30s exposure - surface	F <sub>s</sub>	6	0 mm	Compliant
		Flaming droplets/ particles		None	Compliant
	30s exposure - edge	F <sub>s</sub>		≤ 70mm	Compliant
		Flaming droplets/ particles		None	Compliant
BS EN 13823		FIGRA <sub>0.2MJ</sub>	3	211.15 W/s	Compliant
		FIGRA <sub>0.4MJ</sub>		206.33 W/S	Compliant
		THR <sub>600s</sub>		1.96 MJ	Compliant
		SMOGRA		0.00 m <sup>2</sup> s <sup>2</sup>	Compliant
		TSP <sub>600s</sub>		34.73 m <sup>2</sup>	Compliant
		Lateral Flame Spread to End of Specimen?		None	Compliant
		Fall of Flaming Drop/Particle?		None	Compliant
		Flaming of Fallen Particle Exceeding 10s?		None	Compliant

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009 and BS EN 15102:2007+A1:2011.

##### 4.2 Classification

The product, "Sonus Etch (Scribe)", a composite polyester fabric adhered to a calcium silicate substrate, in relation to its reaction to fire behaviour is classified:

**C**

The additional classification in relation to smoke production is:

**s1**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation, is:

Fire Behaviour		Smoke Production			Flaming Droplets	
C	-	s	1	,	d	0

i.e. C – s1 , d0

**Reaction to fire classification: C – s1, d0**

##### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than  $870\text{kg/m}^3$ , having a minimum thickness of 12 mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Product installed utilising "J4XL", a PVA-based wall covering adhesive, at an application rate of  $150\text{g/m}^2$ .

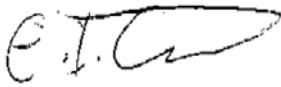
This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product density	No variation allowed
Product colour	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Adhesive type and application rate	No variation allowed

## 5. Limitations

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

### SIGNED



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**Euan Gardner**  
Junior Certification Engineer  
Technical Department

### APPROVED



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**Matthew Dale**  
Senior Certification Engineer  
Technical Department  
On behalf of **Warringtonfire**

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