

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to products “GreenWeave” in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product “GreenWeave” is defined as special fabrics used for air distribution systems as described in paragraph 2.2.

2.2 Product description

According to information provided by the client, the product has the following composition: Product called GreenWeave, used in ventilation ducts for air distribution, consisting of Trevira CS. The product has a nominal area weight of 255 - 360 g/m² and a nominal thickness of 0.45 - 0.6 mm.

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on test reports listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	KE Fibertec AS	P502689	EN 13823 EN ISO 11925-2
SP	KE Fibertec AS	P602826	EN 13823 EN ISO 11925-2
RISE	KE Fibertec AS	8P08346-1	EN 13823 EN ISO 11925-2

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3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		24		
Edge/Surface flame attack**				
30 s exposure	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		7		
	$FIGRA_{0,2MJ}$ (W/s)		0	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	THR_{600s} , (MJ)		0.1	Compliant
	$SMOGRA$, (m ² /s ²)		0	Compliant
	TSP_{600s} , (m ²)		25	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles
** : as required to the end use application of the product				
(-) : not applicable				

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product called “GreenWeave” in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

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

Reaction to fire classification: *B-s1,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Product description, as specified in 2.2 in this report

Nominal thickness: 0.45 – 0.60 mm.

Nominal area weight: 255 – 360 g/m²

This classification is valid for the following end use conditions:

Mounting

- Freestanding

The sample was delivered by the client. RISE Safety - Fire Research was not involved in the sampling procedure.

5 Limitations

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

RISE Research Institutes of Sweden AB Safety - Fire Research Materials

Performed by

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