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CE Produkter AB Hantverksgatan 2 314 52 UNNARYD
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## Classification of reaction to fire in accordance with EN 13501-1

### 1 Introduction

This classification report defines the classification assigned to “Airfelt HP” in accordance with the procedure given in EN 13501-1:2018.

### 2 Details of classified product

#### 2.1 General

The product “Airfelt HP” is defined as a sound-absorbing polyester sheet.

#### 2.2 Product description

According to the client:

Product called “Airfelt HP”, consisting of a sound-absorbing polyester sheet. The product has a nominal density of 155.55 kg/m<sup>3</sup>, an area weight of 1.4 kg/m<sup>2</sup> and a nominal thickness of 9.25 mm. The product has the colour white.

The product consists of the following:

	Composition/content
Layer 1	Polyethylene Terephthalate 95-100 %
Layer 2	2,2'-(1,2-Ethenediylidene-4,1-phenylene)bisbenzoaxole 1-4 %
Layer 3	Titanium-dioxide < 0.4 %
Layer 4	Organic content < 0.3 %

### 3 Reports and results in support of this classification

#### 3.1 Test reports

Table 1 Test reports

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	CE Produkter AB	O100741-1181989	EN 13823:2020+A1:2022 and EN ISO 11925-2:2020

RISE Research Institutes of Sweden AB

Postal address  
Box 857  
501 15 BORÅS  
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504 62 Borås  
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Confidentiality level  
C3 - Sensitive

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Accred. No. 1002  
Testing  
ISO/IEC 17025

### 3.2 Test results

Table 2 Test results showing the worst case as found in the test program performed.

Test method	Parameter	Number Results of tests		Continuous parameter mean (m)	Compliance with parameters
		Continuous	Compliance with parameters		
EN ISO 11925-2		12			
Edge/Surface flame attack*					
30 s exposure	$F_s \leq 150 \text{ mm}$	(-)	Compliant		
Flaming droplets/particles	Ignition of filter paper	(-)	No ignition of filter paper		
EN 13823		3			
	$FIGRA_{0,2MJ} (\text{W/s})$	0.0	Compliant		
	$FIGRA_{0,4MJ} (\text{W/s})$	0.0	Compliant		
	$LFS < \text{edge}$	(-)	Compliant		
	$THR_{600s, (\text{MJ})}$	0.2	Compliant		
	$SMOGRA, (\text{m}^2/\text{s}^2)$	0	Compliant		
	$TSP_{600s, (\text{m}^2)}$	8.1	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 of classification

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2018.

#### 4.2 Classification

The product called "Airfelt HP" 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: 9.25 mm.

Nominal area weight: 1.4 kg/m<sup>2</sup>

Nominal density: 155.55 kg/m<sup>3</sup>

This classification is valid for the following end use conditions:

Mounting

- Free standing with an air gap  $\geq$  80 mm.

The sample was delivered by the client. RISE, Fire And Safety 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 Fire and safety - Reaction to Fire Medium Scale Lab

Performed by



Susanne Blomqvist

Examined by



Anna Bergstrand

# Verifikat

Transaktion 09222115557491451144

## Dokument

O100741-1181989-1 CE Produkter AB EN 13501-1  
Huvuddokument  
3 sidor  
Startades 2023-04-24 14:45:56 CEST (+0200) av *Angela Sabbagh (AS)*  
Färdigställt 2023-04-25 14:16:43 CEST (+0200)

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Signerade 2023-04-25 14:16:43 CEST (+0200)

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