

Swedboard International AB  
Karosserigatan 4  
64151 KATRINEHOLM  
Sweden

## Classification of reaction to fire in accordance with EN 13501-1

### 1 Introduction

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

This report replaces RISE report O100741-1179040-1, dated March 17, 2023. This revision includes an update of details of the product description.

### 2 Details of classified product

#### 2.1 General

The product “SWEDBOARD Fibre FR” is defined as fibre board with surface material of al-foil and thin decorative paper. Its classification is valid for the following end use applications: POS Displays, Exhibition stands and signage.

#### 2.2 Product description

The product, “SWEDBOARD Fibre FR”, is fully described in the test report provided in support of classification listed in Clause 3.1.

According to the client:

Product called “SWEDBOARD Fibre FR”, used in POS Displays, Exhibition stands and Signage. The nominal thickness of the product is 16 mm.

A full description of the product is held on file by RISE.

#### RISE Research Institutes of Sweden AB

Postal address  
Box 857  
501 15 BORÅS  
SWEDENOffice location  
Brinellgatan 4  
504 62 Borås  
SWEDENPhone / Fax / E-mail  
+46 10-516 50 00  
+46 33-13 55 02  
info@ri.se

Confidentiality level

C3 - Sensitive

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Accred. No. 1002  
Testing  
ISO/IEC 17025

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

#### 3.1 Test reports

Table 1 Test report forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	Swedboard International AB	O100741-1179040	EN 13823:2020+A1:2022 and EN ISO 11925-2:2020

#### 3.2 Test results

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

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		18		
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		3		
	$FIGRA_{0,2MJ}$ (W/s)		112	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		112	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	$THR_{600s}$ , (MJ)		7.3	Compliant
	$SMOGRA$ , (m <sup>2</sup> /s <sup>2</sup> )		2	Compliant
	$TSP_{600s}$ , (m <sup>2</sup> )		22	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 “SWEDBOARD Fibre FR” 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:

<b>Fire Behaviour</b>		<b>Smoke Production</b>			<b>Flaming Droplets</b>	
<b>B</b>	-	<b>s</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

**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 report O100741-1179040.

Nominal total product thickness: 16 mm.

This classification is valid for the following end use conditions:

Mounting:

- Freestanding

Joints:

- Mounted with non-exposed joints.

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

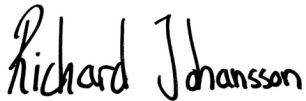
## 5 Limitations

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

Examined by



Richard Johansson



Per Thureson

# Verification

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## Document

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## Signing parties

**Per Thureson (PT)**  
RISE Research Institutes of Sweden AB  
Company reg. no. 556464-6874  
*per.thureson@ri.se*



*Signed 2023-08-21 18:17:25 CEST (+0200)*

**Richard Johansson (RJ)**  
*richard.johansson@ri.se*



*Signed 2023-08-21 18:12:56 CEST (+0200)*

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