

REPORI Issued by an Accredited Testing Laboratory

Contact person Richard Johansson Division Safety and Transport

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 Reference
 Page

 O100741-1179040-1rev1
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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 alfoil 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 SWEDEN Office location Brinellgatan 4 504 62 Borås SWEDEN

Phone / Fax / E-mail +46 10-516 50 00 +46 33-13 55 02 info@ri.se Confidentiality level C3 - Sensitive

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3.1 Test reports

Table 1Test 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 2Test 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	$Fs \le 150 \text{ mm}$		(-)	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	
	<i>LFS</i> < edge		(-)	Compliant	
	<i>THR</i> _{600s} , (MJ)		7.3	Compliant	
	SMOGRA, (m ² /s ²)		2	Compliant	
	TSP_{600s} , (m ²)		22	Compliant	
	Flaming droplets/particles		(-)	No flaming droplets/particles	

* : as required to the end use application of the product

(-) : not applicable

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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:

В

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	
В	-	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 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.

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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

nichard chansson

Richard Johansson

Per Thureson

Examined by

RISE Research Institutes of Sweden AB



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Signing parties

Per Thureson (PT) RISE Research Institutes of Sweden AB Company reg. no. 556464-6874

er (hurerm

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

Richard Johansson (RJ)

diansson

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

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