REPORT

Issued by an Accredited Testing Laboratory

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Reference
P802415G

Re-board Technology AB
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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 the product called "Re-board Fire Retardant Euroclass C" in accordance with the procedure given in EN 13501-1:2007.

2. Details of classified product

2.1. General

The product is defined as fibre board with surface material of al-foil and thin decorative paper used as wall panel.

2.2. Product description

According to information provided by the client, the product has the following composition:

Wall panels called "Re-board Fire Retardant Euroclass C", consisting of the following:

- Core of 15 mm thick corrugated fibre board.
- Surface material of 80 g paper plus 30 µm al-foil on both sides of core.

The total product has a nominal thickness of 16 mm. The product is produced by Re-board Technology AB in a plant in Norrköping, Sweden.

3. Reports and test results in support of classification

3.1. Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Test method
RISE	Re-board Technology AB	P802415D	EN 13823:2002 EN ISO 11925-2:2002

3.2. Test results

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		12		
Edge/Surface flame attack				
30 s exposure	Fs ≤ 150 mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		198	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		198	Compliant
	LFS < edge		(-)	Compliant
	THR_{600s}, (MJ)		11.6	Compliant
	$SMOGRA$, (m^2/s^2)		4	Compliant
	TSP_{600s}, (m^2)		28	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

(-) : 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.

4.2. Classification

The product called “Re-board Fire Retardant Euroclass C” 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 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	
C	**-**	**s**	**1**	**,**	**d**	**0**

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

4.3. Field of application

This classification is valid for the following end use conditions:

Mounting

- Freestanding.

This classification is also valid for the following product parameters:

Thickness:

- Nominal total product thickness, 16 mm.
- Nominal al-foil thickness, 30 µm.

Area weight:

- Nominal area weight of decorative paper (surface material) 80 g/m^2.

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

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Examined by

Per Thureson

Verification

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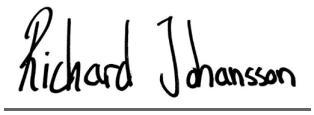

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