

RE-board Technology AB  
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Sweden

## Reaction to fire classification report of “RE-Board”

### 1. Introduction

This classification report defines the classification assigned to the product called “RE-Board” 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”, consisting of the following:

- Core of 15 mm thick corrugated fibreboard.
- 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. Test reports & 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 EN ISO 11925-2

#### RISE Research Institutes of Sweden AB

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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		6		
Edge flame attack				
30 s exposure	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
Surface flame attack		6		
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)		198	-
	$LFS < \text{edge}$		(-)	Compliant
	$THR_{600s}$ , (MJ)		11.6	-
	$SMOGRA$ , ( $m^2/s^2$ )		4	-
	$TSP_{600s}$ , ( $m^2$ )		28	-
	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” 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	
<b>C</b>	-	<b>s</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

**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<sup>2</sup>.

The sample was delivered by the client. RISE 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, Fire Dynamics**

Performed by

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