

Rebel Walls AB  
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## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to the product “Rebel WallSmart v2” in accordance with the procedure given in EN 13501-1:2007.

### 2 Details of classified product

#### 2.1 General

The product “Rebel WallSmart v2” is defined as a wall covering material. Its classification is valid for wall covering for indoor use.

#### 2.2 Product description

The product is fully described below.

According to the client:

Wall covering called “Rebel WallSmart v2” consisting of non-woven treated with digital printing. The product has a nominal area weight of 140 g/m<sup>2</sup> and a nominal thickness of 145 µm.

### 3 Test report & test results in support of classification

#### 3.1 Test report

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Rebel Walls AB	3P04279	EN 13823 and EN ISO 11925-2

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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		12		
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)		101	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		36	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	$THR_{600s}$ (MJ)		1.0	Compliant
	$SMOGRA$ , ( $\text{m}^2/\text{s}^2$ )		0	Compliant
	$TSP_{600s}$ ( $\text{m}^2$ )		31	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 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 “Rebel WallSmart v2” 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>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:

Nominal area weight : 140 g/m<sup>2</sup>.

Nominal thickness : 145 µm.

This classification is valid for the following end use conditions:

Substrates

- Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2 at least 12 mm thick, having a density ≥ 525 kg/m<sup>3</sup>.

Fixings

- Water based PVAc adhesive, adhesive for Non Woven, approximately amount 250 g/m<sup>2</sup>.

The sample was delivered by the client. SP Fire Technology was not involved in the sampling procedure.

#### 5 Limitations

This classification document does not represent type approval or certification of the product.

#### SP Technical Research Institute of Sweden Fire Technology - Fire Dynamics

Performed by



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