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## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to the product “Mr Perswall V” in accordance with the procedure given in EN 13501-1:2007.

This classification report replace SP classification report PX035659A, dated September 1, 2010.

### 2 Details of classified product

#### 2.1 General

The product “Mr Perswall V” is defined as a wallcovering in roll form supplied for hanging onto internal walls, partitions or ceilings, by means of an adhesive, whose primary purpose is decorative.

According to the owner of this classification report, this product complies with the European product specification EN 15102:2007.

#### 2.2 Product description

The product, “Mr Perswall V”, is fully described below.

Wallcovering called “Mr Perswall V”, consisting of a non-woven based on cellulose and synthetic fibres. The product has a nominal area weight of 155 g/m<sup>2</sup> and a nominal thickness of 155 µm.

### 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	Accredited test method
SP	ECO-Boråstapeter AB	PX03659	EN 13823 EN ISO 11925-2

#### SP Technical Research Institute of Sweden

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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 and 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)		117	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		59	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	$THR_{600s}$ , (MJ)		1.3	Compliant
	$SMOGRA$ , ( $m^2/s^2$ )		0	Compliant
	$TSP_{600s}$ , ( $m^2$ )		20	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 "Mr Perswall V" 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>	-	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:

Nominal thickness: 155 µm.

Nominal area weight: 155 g/m<sup>2</sup>.

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 6 mm thick, having a density ≥ 700 kg/m<sup>3</sup>.

Fixings

- Water based PVAc adhesive, 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.

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product’s design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer’s factory production control that is claimed to be relevant to the samples tested and that will provide for their traceability.”

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



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