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Freundenberg Household Products  
KAM-mattsystem Swe  
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## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to the product "Vileda V-mat" in accordance with the procedure given in EN 13501-1:2007.

### 2 Details of classified product

#### 2.1 General

The product "Vileda V-mat" is defined as a scratching mat for entrance. Its classification is valid for the end use application as floor tiles for entrance grids for indoor and outdoor use.

#### 2.2 Product description

The product, "V-mat", is fully described below.

Floor tiles for entrance grids called "Vileda V-mat", consisting of PVC + NBR with flame retardant. The product has a nominal hardness range of 65 – 70 Shore A and a nominal thickness of 14 mm.

### 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
SP	Freundenberg Household Products	P802809	EN ISO 9239-1 EN ISO 11925-2

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**3.2 Test results**

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameter
EN ISO 11925-2 15 s exposure	$F_s \leq 150 \text{ mm}$	6	(-)	Compliant
EN ISO 9239-1	<i>Critical flux</i> (kW/m <sup>2</sup> )	3	8.9	Compliant
	<i>Smoke</i> (%.min)		516	Compliant

(-) : 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 12 and 15 of EN 13501-1:2007.

**4.2 Classification**

The product called “Vileda V-mat” in relation to its reaction to fire behaviour is classified:

$B_n$

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
		$B_n$	-

**Reaction to fire classification:  $B_{fl-s1}$**

#### 4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness: 14 mm.

Nominal hardness: 65 – 70 Shore A.

This classification is valid for the following end use applications:

Substrates

- Any end use substrate of Euroclasses A1<sub>fl</sub> or A2<sub>fl</sub> having a density  $\geq 1350 \text{ kg/m}^3$ .

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**



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