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## Reaction to fire classification report

### 1 Introduction

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

### 2 Details of classified product

#### 2.1 General

The product “iQ Natural” is defined as a resilient floor coverings. Its classification is valid for the end use application as floor coverings for indoor use.

According to the owner of this classification report, this product complies with the European product specification EN 14041:2004.

#### 2.2 Product description

The product, “iQ Natural”, is fully described below.

According to the client:

Homogeneous vinyl flooring called “iQ Natural” consisting of polyvinylchloride, plasticizer and stabilizer. The product has a nominal area weight of 3.0 kg/m<sup>2</sup> and a nominal thickness of 2.0 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	Accredited test method
SP	Tarkett AB	P906810	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		6		
15 s exposure	$F_s \leq 150 \text{ mm}$		(-)	Compliant
EN ISO 9239-1		3		
	<i>Critical flux</i> (kW/m <sup>2</sup> )		10.8	Compliant
	<i>Smoke</i> (%.min)		125	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 “iQ Natural” 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: 2.0 mm.

Nominal area weight: 3.0 kg/m<sup>2</sup>.

This classification is valid for the following end use applications:

##### Substrates

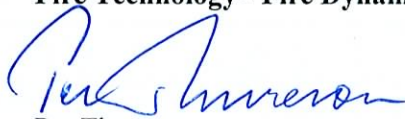
- Wood based substrates or substrates of Euroclass A1<sub>fl</sub> or A2<sub>fl</sub> having a density  $\geq 510$  kg/m<sup>3</sup>.

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**



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