

# **Classification Report**

## **CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018**

<b>Sponsor</b>	SOMMER NEEDLEPUNCH 341 rue de la mairie 59780 BAISIEUX
<b>Manufacturer:</b>	SOMMER NEEDLEPUNCH 341 rue de la mairie 59780 BAISIEUX
<b>Prepared by</b>	<b>Ghent University - Centre for Textile Science and Engineering</b> Technologiepark 70A, 9052 Zwijnaarde, Belgium
<b>Notified Body N°</b>	<b>1611</b>
<b>Product Name</b>	<b>NUAIO - NUANTIEL</b> (as given by the sponsor)
<b>Report N° / Issue N°</b>	<b>CR 22-0116-01</b>
<b>Date of issue</b>	3/03/2022

### **1. Introduction**

This classification report defines the classification assigned to **NUAIO - NUANTIEL**, in accordance with the procedures given in EN 13501-1:2018

### **2. Details of classified product**

#### **2.1 General**

The product, **NUAIO - NUANTIEL**, is defined as textile floor covering application (*according to the manufacturer in compliance with EN 14041*).

#### **2.2 Product description**

The product, **NUAIO - NUANTIEL** is described below and in the test report(s) listed in Clause 3.1.

Total product description	Manufacture: Needle felt textile floor covering Type of surface: Needle felt
Composition of layer(s)	Use surface: 66% RPET / 34% PP Backing layers: Non-woven fabric -Finish
Flame retardant treatment	No

### 3. Reports and Results in support of Classification

#### 3.1 Test reports

Name of test laboratory	Name of sponsor	Test report number	Test method
Ghent University - Centre for Textile Science and Engineering	SOMMER NEEDLEPUNCH	22-0116-01	EN ISO 9239-1
Ghent University - Centre for Textile Science and Engineering	SOMMER NEEDLEPUNCH	22-0116-01	EN ISO 11925-2

#### 3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	4	>11	B <sub>fl</sub>
	Smoke (%.min)		9	s1
EN ISO 11925-2	F <sub>s</sub>	6	PASS	PASS

### 4. Classification and field of application

#### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018

#### 4.2 Classification

The product, **NUAIO - NUANTIEL**, in relation to its reaction to fire behavior is classified: **B<sub>fl</sub>**

The additional classification in relation to smoke production is: **s1**

Therefore, taking into account the limitations given in §5:

**Reaction to fire classification: B<sub>fl</sub> - s1**

### 4.3 Field of application

This classification is valid for the following product parameters:

	Min.	Max.
Range of total mass (kg/m <sup>2</sup> )	0.245	0.302
Range of total thickness (mm)	1.7	2.3

*See description in section 2.2, in the test reports cited in section 3 and any additional parameters provided by the manufacturer.*

This classification is valid for the following end use applications:

End Use(s)	Textile floor covering
Deposition method	loose laid
Substrates	Euroclass A2

*See installation specifications given by the manufacturer.*

### 5. Limitations

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

The test laboratory has played no part in sampling of the test material, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

The classification is only valid for products complying with the samples tested. Any deviation from the product or installation specifications cited above, may change the classification.

The manufacturer has made a declaration, which is held on file. This confirms that the 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 within the context of CPR 305/2011/EU.



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