



## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to resilient floor coverings in accordance with the procedure given in EN 13501-1:2007.

This classification report replace SP classification report P502024A / rev 3, dated October 24, 2007.

### 2 Details of classified product

#### 2.1 General

The products are defined as resilient floor coverings. Their classification is valid for the end use application as floor covering 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 products are fully described below.

According to the client:

Homogeneous vinyl flooring, produced on different production lines at the plant in Ronneby with organic content consisting of polyvinylchloride, plasticizer, and stabilizer, non-organic fillers and surface of PU-coating.

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Table 1. Products

Product name	Nominal content of non-organic fillers *) (%)	Nominal area weight (g/m <sup>2</sup> )	Nominal thickness (mm)
Standard Plus	55-60	2700 – 3600	1.5 – 2.0
Standard	55-60	2700 – 3600	1.5 – 2.0
Somplan 150	55-60	3600	2.0
Somplan 50	55-60	2700	1.5
Marleyflor Plus PU	60-65	1850 – 4625	1.0 – 2.5
Intrinsic	60-65	3700	2.0
Vylon Plus	60-65	3700	2.0
Euroflex	60-65	3700	2.0
Somplan AS****)	40-45	3320	2.0
Euro Homogen	30-35	3000	2.0
iQ Granit SD**)	30-35	3000	2.0
Granit Multisafe***)	30-35	3060	2.0
Granit AS**)	25-30	3040	2.0

\*) The exact amount of the non-organic content of the product is held on file by SP

\*\*\*) Permanently static dissipative pressed homogeneous vinyl flooring

\*\*\*\*) Studded surface

\*\*\*\*\*) Permanently static dissipative homogeneous vinyl flooring

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

#### 3.1 Test reports

This classification is based on test reports listed below:

Name of laboratory	Name of sponsor	Test report ref no	Test method
SP	Tarkett AB	P502024B	EN ISO 9239-1 EN ISO 11925-2
SP	Tarkett AB	P504786	EN ISO 9239-1
SP	Tarkett AB	P604614	EN ISO 9239-1 EN ISO 11925-2
SP	Tarkett AB	P605010	EN ISO 9239-1

**3.2 Test results**

The test results listed below show the worst case as found in the test programme performed and reported according to the table above. The GNB-CPD position paper from SH02 – EN 14041:2004 Fire testing and classification of resilient, textile and laminate floorings – NB-CPD/SH02/06/033 – from the group of notified bodies, has been applied in the process of selecting suitable products for testing.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
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> )		9.7	Compliant
	<i>Smoke</i> (%.min)		251	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 products listed in table 1 in this report in relation to its reaction to fire behaviour is classified:

$B_{fl}$

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	
$B_{fl}$	-	s	1

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



#### 4.3 Field of application:

This classification is valid for the following product parameters:

Nominal content of non-organic fillers: (see table 1 in this report).

Nominal area weight: (see table 1 in this report).

Nominal thickness: (see table 1 in this report).

This classification is valid for the following end use applications:

Substrates

- Wood based substrates or substrates of Euroclass A1<sub>n</sub> or A2<sub>n</sub>, having density  $\geq 510 \text{ kg/m}^3$ .

#### 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 - Materials Reaction to Fire**



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