

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007

Sponsor	Forbo Novilon B.V. De Holwert 12 NL-7741 KC COEVORDEN The Netherlands
Prepared by	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 NL-2280 CB RIJSWIJK The Netherlands
Notified Body no.	1234
Product name	Forbo Novibat 2S3 vinyl floor covering
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This classification report consists of four pages and may only be used in its entirety.

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1. Introduction

This classification report defines the classification assigned to **Forbo Novibat 2S3 vinyl floor covering** in accordance with the procedures given in EN 13501-1:2007 and EN 651.

2. Details of classified product

2.1 General

The product, **Forbo Novibat 2S3 vinyl floor covering**, is defined as a floor covering.

2.2 Product description

The product is a floor covering family according to EN 651 with a thickness/surface density range of 2.4 mm/2350 g/m² to 3.4 mm/3100 g/m².

- The floor covering is made of heterogeneous PVC;
- The base of the floor covering is an impregnated glass fleece web;
- The backing of the floor covering consists of a white coloured chemical foam layer;
- The floor covering is provided with a 0.7 mm thick top layer, under which an imitation print is applied.

2.3 Manufacturer/Importer

Forbo Novilon B.V.
De Holwert 12
NL-7741 KC COEVORDEN
The Netherlands

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV The Netherlands	Forbo Novilon B.V. The Netherlands	2004-CVB-R0177 2005-CVB-R0221	EN ISO 11925-2:2002 EN ISO 9239-1:2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
TNO-reports: 2004-CVB-R0177 and 2005-CVB-R0221				
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm [mm]	6	70 and 69	-
	Ignition of filter paper		-	Compliant
EN ISO 9239-1	Critical Heat Flux [kW/m ²]	3	8.5 and 9.7	-
	Smoke density [%·min]		284 and 171	-

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 12 of NEN-EN 13501-1:2007

4.2 Classification

The product, **Forbo Novibat 2S3 vinyl floor covering**, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} - s1

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness/Surface density 2.4 mm/2350 g/m² to 3.4 mm/3100 g/m²

This classification is valid for the following end use applications:

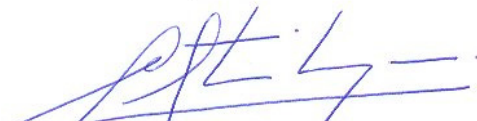
- Substrate non-combustible (class A1, ISO 390 and EN 13238: 2001 par. 5.1.2 (1800 ± 200 kg/m³ – 6 mm)
- Methods and means of fixing Forbo vinyl adhesive
Amount approx. 0.3 to 0.4 kg/m² (wet)
- Joints no joints

4.4 Duration of the validity of this classification report


There are no limitations in time on the validity of this report.

5. Limitations

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



Ing. C.C.M. Steinhage



A.J. Lock

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