

# TFI Report 431623-06

## Classification

of the Reaction to Fire according to EN 13501-1:2010

### Report established for

Forbo Flooring BV  
De Holwert 12  
7741 KC Coeverden  
THE NETHERLANDS

### Product

resilient floor covering  
floor covering: Forbo Novilon Click  
underlay: Forbo Click Underlay

### Responsible at TFI

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This report includes 3 pages and 0 annex(es).

This report is a transcription of test report no. 431623-04.

**Aachen, 12 November 2013**

**Dr. Ernst Schröder**



The present document is provided with a qualified electronic signature and is valid without autograph signature.

This report only applies to the tested specimens and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the Textiles & Flooring Institute GmbH, also with regard to the order execution.

## 1 Transaction

Test order	Classification of the reaction to fire according to EN 13501-1:2010
Order date	16 October 2013, 11 November 2013
Your reference	13276265
Product designation(s)	floor covering: Forbo Novilon Click underlay: Forbo Click Underlay
TFI sample number	13-10-0134, 13-10-0135 (Underlay)

## 2 Product specification

The construction products are completely described in the test reports mentioned under item 3 and in the corresponding Annexes KT. The test reports provide the basis for the present classification.

## 3 Results

### 3.1 Test reports and test results used for the classification

Test laboratory	Report established for	Test report no.	Test method
Textiles & Flooring Institute GmbH	Forbo Flooring BV	431623-05	EN ISO 9239-1:2010
			EN ISO 11925-2:2010 (15 s ignition time)

### 3.2 Test results

	Test method	Parameter	Number of tests	Result	
				Mean value	Requirements fulfilled (Y/N)
Product	EN ISO 9239-1:2010	Average critical heat flux [kW/m²]	3	10.9	
		Integrated smoke value [% x min.]		248	
	EN ISO 11925-2:2010	Flame tip < 150 mm	6	-	Y

### 3.3 Classification and field of application

The construction product "Forbo Novilon Click" on "Forbo Click Underlay" is classified as follows with regard to the reaction to fire:

**B<sub>fl</sub>**

The additional classification with regard to the smoke development is:

**s1**

The format of the reaction to fire classification for floor coverings is:

Reaction to fire		Smoke development	
<b>B<sub>fl</sub></b>	-	<b>s</b>	<b>1</b>

**Classification of the reaction to fire: B<sub>fl</sub> - s1**

This classification is valid for the following end use application:

Parameter	Details
Substrate	Substrate according to EN 13238:2010 (particle board)
Type of underlay	Glued and unglued
Joint	n.r.

### Limitations

The classification assigned to the construction product in this report is suited for a declaration of conformity by the manufacturer or a Declaration of Performance within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive or Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This declaration confirms that the design of the product does not require any specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic contents 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 for the attestation of conformity respectively system 3 for the assessment and verification of the constancy of performance is appropriate.

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