

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2002

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Notified Body No 1234

Product name Eternal 2007

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This classification report consists of four pages and may only be used in its entirety.

This report is issued by the TNO company Efectis Nederland BV (previously TNO Centre for Fire Research). TNO decided, in response to international developments and requests by customers, to collaborate with two European Egolf partners, both highly experienced in fire safety: the Norwegian Sintef/NBL and the French CTICM. Thus, through scaling up, a more comprehensive service of high quality and a wider range of facilities can be offered. In order to achieve this, the fire safety related activities of the partners involved have been privatised in this collaboration. With respect to TNO this has led to the privatisation on the 1st of July of the activities of the TNO Centre for Fire Research via the establishment of the company Efectis Nederland BV.

1. Introduction

This classification report defines the classification assigned to Eternal 2007 in accordance with the procedures given in EN 13501-1:2002.

2. Details of classified product

2.1 General

The product, Eternal 2007, is defined as is defined as a resilient floor covering (according to EN 649).

2.2 Product description

The product Eternal 2007 is a heterogeneous compact PVC floor covering (according to EN 649) with an overall thickness of 2.2 mm, provided with a 0.7 mm thick top layer, and underneath the top provided with an imitation print. The base of the product is an impregnated glass fleece web. The backing of the product consists of a grey coloured compact layer.

Surface density nominal : 2.8 kg/m².

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of Sponsor	Test reports	Test method & date
TNO Centre for Fire Research	Forbo Novilon B.V.	2005-CVB-R0225 2005-CVB-R0223 2003-CVB-R0143	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 with parameters
EN ISO 9239-1	Critical flux	4	8.7 kW/m ²	Compliant
	Smoke production		210 % . min	Compliant
EN-ISO 11925-2 surface flame attack	Fs ≤150 mm	6	77 mm	Compliant

The results listed here are the worst result from a group of products with the extreme values for surface density and thickness. As described in the EN 14041, these results can be taken as representative for the entire group.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2002

4.2 Classification

The product, Eternal 2007, 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 end use applications: as floor covering

This classification is also valid for the following product parameters:

density	approximately 2.50 to 2.85 kg/m ²
thickness	2.00 to 2.20 mm

The classification is valid for the following substrates and air gaps:

glued onto a medium and high density non-combustible substrate as specified EN 13238: 2001 by means of (Forbo 540) vinyl adhesive in an amount of 0.3 to 0.4 kg/m².

5. Limitations

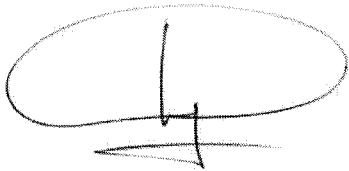
This classification document does not represent type approval or certification of the product.

'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, supplied by the manufacturer, to provide for traceability of the samples tested.'

SIGNED



W. Langstraat

APPROVED



Dr. F. Paap

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