CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007+A2: 2009

Sponsor	Alloc AS Fiboveien 26 NO-4580 Lyngdal Norway
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Notified Body no.	1234
Product name	Alloc Original, Alloc Commercial and Alloc Universal flooring laminate.
Classification report no	2009-Efectis-R0664[Rev.1]
Issue number	1
Date of issue	November 2012
Project number	2009282 and 2012424

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

1. Introduction

1.1 Productname

This classification report defines the classification assigned to Alloc Original, Alloc Commercial and Alloc Universal flooring lamainate in accordance with the procedures given in EN 13501-1: 2007.

1.2 Revision:

In November 2012 additional tests are performed with a wooden subfloor to extend the field of application.

2. Details of classified product

2.1 General

The products, Alloc Original, Alloc Commercial and Alloc Universal flooring laminate, are defined as a flooring cover.

2.2 Product description

Construction	Alloc Original	Alloc Commercial	Alloc Universal
Decorative laminate	0.4-0.6 mm 3-4 layers of paper Ca 75 g overlay paper 70 g decor paper (1 or 2) 205 g craft paper	0.6 mm 4 layers of paper Ca 75 g overlay paper 70 g decor paper 2 pc 205 g craft paper	0.4-0.6 mm 3-4 layers of paper Ca 75 g overlay paper 70 g decor paper (1 or 2) 205 g craft paper
Core material	8.0 mm - 880 kg/ m^3 aqua resistant HDF	8.0 mm - 880 kg/ m^3 aqua resistant HDF	8.0 mm - 880 kg/ m^3 aqua resistant HDF
Locking mechanism	Aluminum locking system: G1	Aluminum locking system: G1	HDF integrated locking system: G2
Balancing layer	Engineered craft paper	Engineered craft paper	Engineered craft paper
Underlay material	2 mm polyolefin	2 mm polyolefin	2 mm polyolefin

The product is originally tested on a fiber cement board substrate

The additional tests are performed with a subfloor which is composed of Okouplex plywood with a thickness of 8 mm and a density of 3.8 kg/m^2.

2.3 Manufacturer/Importer

Alloc AS
Fiboveien 26
NO-4580 Lyngdal
Norway

Test reports & test results in support of classification

3.1 Test reports

Name of Laboratories	Name of sponsor	Test reports	Test methods
Efectis Nederland BV The Netherlands	Alloc AS Fiboveien 26 NO-4580 Lyngdal Norway	2009-Efectis-R0662 2009-Efectis-R0669[Rev.1]	EN ISO 11925-2:2002 EN ISO 9239-1:2002 EN ISO 9239-1:2010

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
Alloc Original:				
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	6	26.7	-
	Ignition of filter paper		-	Compliant
Alloc Commercial:				
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	3	28.3	-
	Ignition of filter paper		-	Compliant
Alloc Universal:				
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	3	26.7	-
	Ignition of filter paper		-	Compliant
Alloc foam:				
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	3	50.0	-
	Ignition of filter paper		-	Compliant

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
Alloc Original:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	3	8.1	-
	Smoke density [%.min]		11.6	-
Alloc Commercial:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	8.2	-
	Smoke density [%.min]		14	-
Alloc Universal:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	9.7	-
	Smoke density [%.min]		18	-
Alloc Original with subfloor:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	10.5	-
	Smoke density [%.min]		13.7	-
Alloc Commercial with subfloor:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	9.8	-
	Smoke density [%.min]		12.6	-
Alloc Universal with subfloor:				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	9.5	-
	Smoke density [%.min]		13.9	-

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+A2:2009

4.2 Classification

The products, **Alloc Original, Alloc Commercial and Alloc Universal**, in relation to its reaction to fire behaviour are 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	Approx. 11 mm
- Surface density	Approx. 9 kg/m^2

This classification is valid for the following end use applications:

- Substrate	Non-combustible (class A1/A2 according to EN 13501-1)
- Subfloor	and in combination with a Okouplex Plywood, thickness at least 8 mm and a density of 3.8 kg/m^2
- Methods and means of fixing	Loose laid

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.

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Project leader reaction to fire

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