

Alloc AS
Fiboveien 26
NO-4580 LYNGDAL
NORGE

Handläggare, enhet / <i>Handled by, department</i>	Datum / <i>Date</i>	Beteckning / <i>Reference</i>	Sida / <i>Page</i>
Marina C Andersson, Fire Technology +46 33 16 52 92, marina.andersson@sp.se	2003-12-10	P303940C	1 (3)

Reaction to fire classification report of laminated floor coverings

Introduction

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

Nature and end use application

The products are defined as a laminate floor covering. Its classification is valid for end use applications as floor covering for indoor use.

Description

According to the client:

Floor covering called "Alloc Original" and "Alloc Universal", consisting of HPL-laminate.

The laminates consist of the following layers:

- Upper decorative layer, nominal thickness of 0.4 mm.
 - Melamine impregnated aluminiumoxide paper. Area weight 55 g/m².
 - Decoration paper.
 - Melamine impregnated kraft paper.
- Core of high density fibreboard (HDF), nominal thickness of 8.0 mm.
- Backing of melamine and phenol impregnated kraft paper, nominal thickness of 0.4 mm.
- Impact sound foam layer called "Alloc Silent System".

The product called "Alloc Original" has a impact sound foam layer with nominal thickness of 1 mm and the whole product has a nominal thickness of 9.8 mm. The product called "Alloc Universal" has a impact sound foam layer with a nominal thickness of 2 mm and the whole product has a nominal thickness of 10.8 mm.



Table 1. Products.

Product name	Thickness (mm)	Thickness of impact sound foam layer (mm)
Alloc Original	9.8	1
Alloc Universal	10.8	2

Test report

This classification is based on the test report listed in table 2.

Table 2. Test reports.

Name of laboratory	Name of sponsor	Test report ref no	Test method
SP	Alloc AS	P303940A	EN ISO 9239-1 EN ISO 11925-2

Test results

The test results listed below show the worst case as found in the test programme performed and reported according to table 2.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameter
EN ISO 11925-2		6		
15 s exposure	$F_s \leq 150$ mm		(-)	Yes
EN ISO 9239-1		4		
	Critical flux (kW/m ²)		8.2	(-)
	Smoke (%.min)		13	(-)

(-) : not applicable

Reference and direct field of application

This classification has been carried out in accordance with clause 9.2, 11.6, 11.9 and 13 of EN 13501-1:2002.

Classification

The products as listed in table 1 in this report in relation to its reaction to fire behaviour is classified:

The additional classification in relation to smoke production is:

B_{fl}
s1

The final classification is **B_{fl}-s1,d0**

Field of application:

This classification is valid for the following end use conditions:

Substrates

- Wood based substrates or substrates of Euroclasses A1_{fl} or A2_{fl}, having a density $\geq 510 \text{ kg/m}^3$.

This classification is also valid for the following product parameters:

Nominal thickness (laminated): 0.4 mm

Nominal thickness (wood based core): 8.0 mm

Nominal thickness (paper): 0.4 mm

Thickness (impact sound foam): 1 – 2 mm

Nominal thickness (whole product): 9.8 – 10.8 mm

The sample was delivered by the client. SP Fire Technology was not involved in the sampling procedure.


Restrictions


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Warning

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

SP Sveriges Provnings- och Forskningsinstitut
Fire Technology, Materials Reaction to Fire


Björn Sundström
Head of Section


Per Thureson
Technical Manager