

classification report

Title:

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

Notified Body No:

0833

Product Names:

Sikafloor 21N Purcem

Report No:

174952

Issue No:

1

Prepared for:

Sika Limited
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Bury Road
Lavenham
Suffolk
CO10 9QD

Date:

11th July 2008



1. Introduction

This classification report defines the classification assigned to 'Sikafloor 21N Purcem', a polyurethane flooring screed, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, 'Sikafloor 21N Purcem', a polyurethane flooring screed, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, 'Sikafloor 21N Purcem', a polyurethane flooring screed, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General Description		A polyurethane flooring screed used together with a defined primer
Screed	Trade name / product reference	"Sikafloor 21N Purcem"
	Generic type	Self smoothing polyurethane screed
	Name of manufacturer	Sika Limited
	Thickness	8mm
	Weight per unit area	15.2kg/m ²
	Colour reference	Grey
	Application method	Trowel
	Flame retardant details	See Note 1 Below
Primer	Trade name / product reference	"Sikafloor 156"
	Generic type	Epoxy Primer
	Name of manufacturer	Sika Ltd
	Application rate	0.3kg/m ²
	Application method	Roller
	Flame retardant details	See Note 1 Below
Substrate	Generic type	Calcium silicate board
	Thickness	7mm
	Weight per unit area	12.55kg/m ²
Brief description of manufacturing process of the flooring composite		The sponsor of the test was unwilling to provide this information.

Note 1 : The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Sika Limited	WF 163875	EN ISO 11925-2
Bodycote warringtonfire	Sika Limited	WF 163878	EN ISO 9239-1

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN ISO 11925-2 (15s exposure – surface of decorative face)	F _s	6	0	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge of decorative face)	F _s	6	20	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 9239-1	Critical flux	3	11	Compliant
	Smoke		64.94	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 9 of EN 13501-1:2007

4.2 Classification

The product, 'Sikafloor 21N Purcem', a polyurethane flooring screed, in relation to its reaction to fire behaviour is classified:

B_{FL}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
B_{FL}	-	s	1

i.e. **B_{FL} – s1**

Reaction to fire classification: B_{FL} – s1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Flooring applications, used over any substrate with a density equal to or greater than 900Kg/m³, having a minimum thickness of 7mm and a fire performance of A2_{FL} or better.

This classification is also valid for the following product parameters:

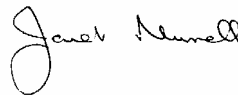
Floorcovering thickness	No variation allowed
Colour/Pattern	No variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed

SIGNED



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Simon Ince
Technical Officer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Bodycote warringtonfire

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