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Testing. Advising. Assuring.

Title:

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

Notified Body No:

0833

Product Name:

"Aqua Color"

Report No:

199678

Issue No:

1

Prepared for:

Forbo Sarlino SAS
63, rue Gosset
BP 2717
51055 Reims Cedex, France

Date:

24th January 2011

1. Introduction

This classification report defines the classification assigned to "Aqua Color", a resilient floor covering, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, "Aqua Color", a resilient floor covering is defined as a polyvinyl chloride floor covering as described in EN 649 suitable for flooring applications.

2.2 Product description

The product, "Aqua Color", a resilient floor covering, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Acoustic PVC floor covering adhered to an 18mm thick particle board substrate utilising "V 22" adhesive
Thickness of composite		20.75mm (determined by Exova Warringtonfire)
Weight per unit area of composite		15.18kg/m ² (determined by Exova Warringtonfire)
Floor covering	Product reference	"Aqua Color"
	Generic type	Compact PVC floorcovering (EN 649)
	Name of manufacturer	Forbo
	Weight per unit area	3.1kg/m ²
	Thickness	2.4mm
	Colour	"Orange" (observed by Exova Warringtonfire)
	Flame retardant details	See Note 1 below
Adhesive	Product reference	"V 22"
	Generic type	Acrylic
	Name of manufacturer	Forbo
	Application rate	250g/m ²
	Application method	Trowel
	Flame retardant details	See Note 1 below
Substrate	Trade name	"Particleboard"
	Generic type	Non-flame retardant grade woodchip particleboard which complied with section 5.2 of BS EN 13823: 2010
	Supplier	Northwest Timber Treatments
	Thickness	18mm
	Density	680kg/m ³
Brief description of manufacturing process of the floor covering		The sponsor 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.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Forbo Sarlino SAS	199490	EN ISO 9239-1

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 9239-1	Critical Heat Flux (kW/m ²)	4	>11.3	Compliant
	Smoke (% x min)		141	Compliant
EN ISO 11925-2 15 s surface exposure	Flame spread (mm)	*		Compliant

* The product properties fall with the range defined in Commission Decision 2005/610/EC establishing the classes of reaction-to-fire performance for certain construction products. The product can therefore be assumed to meet the relevant requirement without the need for testing.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007

4.2 Classification

The product, "Aqua Color", a resilient floor covering, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: B_{fl}-s1

4.3 Field of application

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This classification is valid for the following end use applications:

- i) flooring applications
- ii) Used over any substrate of class A2 or better, including paper-faced plasterboard
- iii) Used over any substrate of class D or better, with a density of 680 kg/m³ or higher
- iv) Glued to the substrate with Forbo 'V22' acrylic adhesive with an application rate of 250 g/m²

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product composition	No variation allowed
Colour and design	Any colour, unless different colour and design change the composition

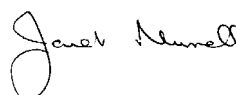
"The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive. The manufacturer has made a declaration, which is held on file. This confirms that the products 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



.....
Frans Paap
Certification Engineer

APPROVED



.....
Janet Murrell
Technical Manager
For and on behalf of:
Exova Warringtonfire

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