

Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655 116
F : +44 (0) 1925 655 419
E : warrington@exova.com
W: www.exova.com



Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009

Notified Body No:

0833

Product Names:

"Spacia First"

Report No:

304738

Issue No:

1

Prepared for:

Amtico International
Kingfield Road
Coventry
CV6 5AA

Date:

28th February 2011

1. Introduction

This classification report defines the classification assigned to "Spacia First", a polyvinyl chloride (PVC) floor tile, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, is defined as being suitable for floor covering applications.

2.2 Product description

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A vinyl floor tile which was tested bonded to a fibre cement board substrate utilising "Amtico SF" adhesive.
Product reference		"Spacia First"
Thickness of composite		8.15mm (determined by Exova Warringtonfire)
Weight per unit area of composite		15.01kg/m ² (determined by Exova Warringtonfire)
Floor covering	Product reference	"Spacia First – SW2004"
	Generic type	Vinyl (PVC) floor tile
	Name of manufacturer	Amtico International China
	Weight per unit area	3.6kg/m ²
	Thickness	2.0mm
	Colour	Any colour / pattern
	Flame retardant details	See Note 1 Below
Adhesive	Product reference	"Amtico SF Adhesive"
	Generic type	Water based acrylic adhesive
	Name of manufacturer	Amtico International
	Application rate	Between 300 and 350g/m ²
	Application method	A2 notched trowel
	Flame retardant details	See Note 1 Below
Substrate	Trade name	"NT D4 604"
	Generic type	Fibre cement board
	Supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m ³
Brief description of manufacturing process of the floor covering		Individual PVC based sheets are heat laminated then cut to produce tiles.

Note 1: The sponsor of the test has confirmed that no flame retardants were used in the production of this component

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	Amtico International	WF 304607	EN ISO 11925-2
Exova warringtonfire	Amtico International	WF 304608	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 9239-1	Critical flux	3	≥11.2	Compliant	
	Smoke		43.07	Compliant	
EN ISO 11925-2	15s exposure – surface of decorative face	6	F _s	56.7	Compliant
			Flaming droplets/ particles	None	Compliant
	15s exposure – edge of decorative face	6	F _s	45	Compliant
			Flaming droplets/ particles	None	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+A1:2009.

4.2 Classification

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, 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 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.

This classification is also valid for the following product parameters:

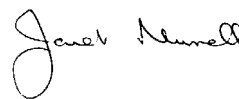
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Colour/Pattern	Any variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Floorcovering installation	No variation allowed

SIGNED



.....
Matthew Dale
Certification Engineer

APPROVED



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

This copy has been produced from a .pdf format electronic file that has been provided by Exova Warringtonfire to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of Exova Warringtonfire. The original signed paper version of this report is the sole authentic version. Only original paper versions of this report bear authentic signatures of the responsible Exova Warringtonfire staff.