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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 Click (commercial)" &
"Amtico International
Underlay 19"

Report No:

317167

Issue No:

1

Prepared for:

Amtico International
Kingfield Road
Coventry
CV6 5AA

Date:

11th April 2011

1. Introduction

This classification report defines the classification assigned to “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, is defined as being suitable for floor covering applications.

2.2 Product description

The product “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Luxury vinyl flooring tested with underlay which was tested loose laid over a fibre cement board substrate
Overall product reference		“Spacia Click (commercial)” & “Amtico International Underlay 19”
Overall thickness		6mm (stated by sponsor) 5.95mm (determined by Exova Warringtonfire)
Overall weight per unit area		8500g/m ² (stated by sponsor) 9673g/m ² (determined by Exova Warringtonfire)
Product configuration		<ul style="list-style-type: none"> • Flooring • Underlay • Substrate
Floor Covering (Test face)	Product reference	“Spacia Click (commercial)”
	Generic type	Vinyl tile
	Name of manufacturer	Amtico International
	Weight per unit area	8400g/m ² (stated by sponsor) 9574g/m ² (determined by Exova Warringtonfire)
	Thickness	5mm (stated by sponsor) 4.99mm (determined by Exova Warringtonfire)
	Colour	“Brown” (observed by Exova Warringtonfire)
	Flame retardant details	See Note 1 Below
Underlay	Product reference	“Amtico International Underlay 19”
	Generic type	Crosslinked polyolefines and copolymers
	Name of manufacturer	Amtico International
	Thickness	1mm (stated by sponsor) 0.96mm (determined by Exova Warringtonfire)
	Colour	“Black”
	Weight per unit area	100g/m ² (stated by sponsor) 99g/m ² (determined by Exova Warringtonfire)
	Flame retardant details	See Note 1 Below

Continued on next page

Substrate	Trade name	"NT D4 604"
	Generic type	Fibre cement board
	Supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m ³
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process of the floor covering		Heat laminated PVC forming loose-lay click together vinyl tiles

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	Amtico International	WF 317070	EN ISO 11925-2
Exova Warringtonfire	Amtico International	WF 317071	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	9.9	Compliant
		Smoke		424.22	Compliant
EN ISO 11925-2	15s exposure – surface of decorative face	F _s	6	23.3	Compliant
		Flaming droplets/ particles		None	Compliant
	15s exposure – edge of decorative face	F _s	6	35	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 Click (commercial)" & "Amtico International Underlay 19" a luxury vinyl floor tile tested over an underlay, 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:

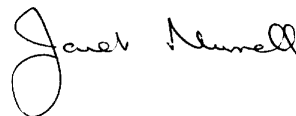
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Underlay thickness	No variation allowed
Underlay weight per unit area	No variation allowed
Underlay composition	No variation allowed
Underlay construction	No variation allowed

SIGNED



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Matthew Dale
Certification Engineer

APPROVED



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Janet Murrell
Technical Manager
on behalf of: **Exova Warringtonfire**

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