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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:

R-Tile Interlocking PVC Floor
Tile

Report No:

190593

Issue No:

1

Prepared for:

R-Tek Manufacturing Ltd.
Unit 1
Hamiltownsbawn Industrial
Estate
Armagh
Co. Armagh
BT60 1HW

Date:

18th February 2010

1. Introduction

This classification report defines the classification assigned to "R-Tile Interlocking PVC Floor Tile", an interlocking PVC floor tile, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, "R-Tile Interlocking PVC Floor Tile", an interlocking PVC floor tile, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, "R-Tile Interlocking PVC Floor Tile", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Interlocking PVC floor tile which was tested loose laid over a nominally 6mm thick fibre cement based substrate
Floor Covering	Product reference	"R-Tile Interlocking PVC Floor Tile"
	Generic type	PVC floor tile for commercial use
	Name of manufacturer	R-Tek Manufacturing Ltd.
	Weight per unit area	10kg/m ² (stated by sponsor) 9.20kg/m ² (determined by Exova Warringtonfire)
	Density	1.45 (specific gravity – stated by sponsor) 1.75g/cm ³ (determined by Exova Warringtonfire)
	Thickness	5mm (stated by sponsor) 5.25mm (determined by Exova Warringtonfire)
	Colour	Any colour
	Finish	Textured finish
	Flame retardant details	The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component
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		Injection moulded

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	R-Tek Manufacturing Limited	WF 189856	EN ISO 11925-2
Exova warringtonfire	R-Tek Manufacturing Limited	WF 189859	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	8.5	Compliant
		Smoke		515.16	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	65	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	36.7	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

4.2 Classification

The product, "R-Tile Interlocking PVC Floor Tile", an interlocking 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:

- Floorcovering applications applied over any substrate with a minimum density of 1800kg/m³, having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.
- Installed with or without adhesive.

This classification is also valid for the following product parameters:

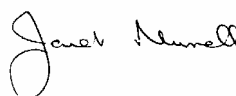
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Colour/Pattern	Any variation allowed
Finish	No variation allowed

SIGNED



.....
Matthew Dale
Technical Officer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Exova Warringtonfire

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