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Title:

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

Notified Body No:

0833

Product Name:

"170TFG"

Report No:

WF 411259

Issue No:

1

Prepared for:

Kernow Coatings Ltd
Penryn
Cornwall
TR10 9DQ

Date:

23rd April 2019

1. Introduction

This classification report defines the classification assigned to “170TFG”, a textured floor graphic polyester film adhered to a fibre cement board substrate, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “170TFG”, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “170TFG”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Textured floor graphic polyester film adhered to a fibre cement board substrate
Product reference		“170TFG”
Name of manufacturer		Kernow Coatings Ltd
Thickness of overall composite		315 ± 6micron (stated by sponsor) 0.33mm (determined by Warringtonfire)
Weight per unit area of overall composite		385 ± 8g/m² (stated by sponsor) 376.72g/m² (determined by Warringtonfire)
Film	Product reference	**See Note 1 Below**
	Generic type	Polyethylene terephthalate film with proprietary textured ink jet receptive coating
	Name of manufacturer	Kernow Coatings Ltd
	Thickness	170micron
	Weight per unit area	224g/m²
	Flame retardant details	**See Note 1 Below**
Adhesive	Product reference	**See Note 1 Below**
	Generic type	Removable adhesive
	Name of manufacturer	Kernow Coatings Ltd
	Application rate	**See Note 1 Below**
	Application method	**See Note 1 Below**
	Flame retardant details	**See Note 1 Below**
Substrate	Product reference	“NT D4 604”
	Generic type	Fibre cement board
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m³
Brief description of manufacturing process		**See Note 1 Below**

Note 1: The sponsor was unable to provide this information.

The description of the specimens given above is therefore not as complete as would normally be the case for descriptions included in Warringtonfire test reports and the description may not fully comply with the requirements of the test standard. In all other respects however the tests were conducted fully in accordance with the requirements of the test standard and the test results are valid.

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
warringtonfire	Kernow Coatings Ltd	WF 411218	EN ISO 11925-2
warringtonfire	Kernow Coatings Ltd	WF 411217	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	≥11.0kW/m^2	Compliant
		Smoke		4.05% min	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F_s	6	Nil	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F_s	6	≤ 20mm	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, "170TFG", a textured floor graphic polyester film adhered to a fibre cement board substrate, 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) 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.
ii) Installed with the adhesive utilised for the test.

This classification is also valid for the following product parameters:

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

5. Limitations

This document does not represent type approval or certification of the product.

SIGNED

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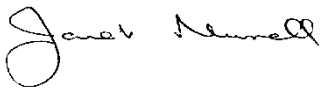
Matthew Dale
Senior Certification Engineer
Technical Department

APPROVED



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Janet Murrell
Technical Manager
Technical Department
on behalf of **warringtonfire**