

Title:

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

Notified Body No:

0833

Product Name:

Moire

Report No:

181250

Issue No:

1

Prepared for:

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Date:

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1. Introduction

This classification report defines the classification assigned to 'Moire', a family of decorative textile wallcovering products, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The products, 'Moire', a family of decorative textile wallcovering products, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The products, 'Moire', a family of decorative textile wallcovering products, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Textile wallcovering
Trade name / product reference of wallcovering		"Moire"
Overall wallcovering thickness		0.60mm
Overall wallcovering weight per unit area		320g/m ² (Stated by sponsor) 340g/m ² (Determined by Bodycote warringtonfire)
Colour/Pattern		Any colour/pattern variation allowed
Base fabric	Trade name / product reference	See Note 1
	Generic type	50% acetate, 25% cotton, 15% linen, 10% lurex metaloplastic
	Name of manufacturer	See Note 3
	Type of weave PLAIN	See Note 3
	Application method	See Note 3
	Curing process (duration and temperature)	See Note 3
	Trade name of flame retardant	See Note 2
Glue used in calendar process	Trade name / product reference	See Note 3
	Generic type	See Note 3
	Name of manufacturer	See Note 3
	Application rate	See Note 3
	Application method	See Note 3
Backing	Flame retardant details	See Note 2
	Trade name / product reference	"Non-woven"
	Generic type	Non-woven backing for wallcovering
	Name of manufacturer	See Note 3
	Thickness	See Note 3
	Weight per unit area	95g/m ²
Flame retardant details		See Note 2

Adhesive (wallcovering to substrate)	Trade name / product reference	"Clearpro"
	Generic type	Starch-based wall covering adhesive
	Name of manufacturer	See Note 3
	Application rate	See Note 3
	Application method	See Note 3
	Flame retardant details	See Note 2
Substrate	Product reference	"Promat – Brandschutzbauplatten; Promatect-H"
	Generic type	Calcium Silicate based board
	Name of manufacturer	Promat
	Thickness	12mm
	Density	870kg/m ³
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		See Note 3

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

Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Note 3: The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	ARTE NV	WF 180179	EN ISO 11925-2
Bodycote warringtonfire	ARTE NV	WF 180171, 180172, 180173	EN 13823
Bodycote warringtonfire	ARTE NV	WF 181251	EN/TS 15117

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	0	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure – edge)	F _s	6	30	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	1, 1, 3	196.17, 175.25, 204.33	Compliant
	FIGRA _{0.4MJ}		186.55, 164.39, 200.66	Compliant
	THR _{600s}		1.96, 2.06, 2.08	Compliant
	LFS		N, N, N	Compliant
	SMOGRA		0, 0, 0	Compliant
	TSP _{600s}		41.39, 43.40, 43.53	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The products, 'Moire', a family of decorative textile wallcovering products, in relation to their reaction to fire behaviour are classified:

C

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour	Smoke Production		Flaming Droplets	
C	-	s	1	d
				0

i.e. C – s1 , d0



4.3 Field of application

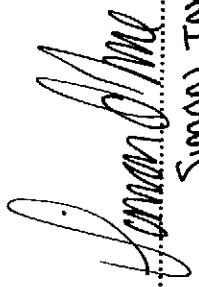
This classification is valid for the following end use applications:

- i) Construction Applications used over any substrate with a density equal to or greater than 870kg/m³, having a minimum thickness of 6 mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Product installed utilising "Clearpro", a starch-based wall covering adhesive, at an application rate of 0.14l/m².

This classification is also valid for the following product parameters:

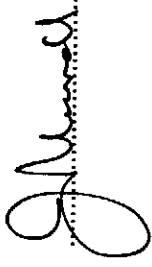
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED


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SIMON INCE

Leigh Hill
Senior Certification Engineer
Technical Department

APPROVED


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