

classification report

Title:

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

Notified Body No:

0833

Product Name:

Tranquility

Report No:

184987

Issue No:

1

Prepared for:

Newmor, Madoc Works,
Henfaes Lane,
Welshpool,
Montgomeryshire,
SY21 7BE

Date:

14th July 2009

1. Introduction

This classification report defines the classification assigned to 'Tranquility', a printed fabric-backed vinyl wallcovering, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, 'Tranquility', a printed fabric-backed vinyl wallcovering, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, 'Tranquility', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A printed wall covering bonded to a fibre cement board substrate.
Product reference of wall covering		"Tranquility"
Name of manufacturer		Len-Tex Corporation
Overall wall covering thickness		0.53mm (Determined by Bodycote warringtonfire)
Overall wall covering weight per unit area		474 g/m ² (Stated by sponsor) 472 g/m ² (Determined by Bodycote warringtonfire)
Batch reference of wall covering		"9"
Range reference of wall covering		"Vinyl Wallcovering"
Colour reference of wall covering		"LTR5901"
Coating	Product reference	Vinyl Wallcovering
	Generic type	Vinyl/Waterbased inks
	Name of manufacturer	See Note 1
	Application rate	See Note 1
	Application method	Gravure printing
	Curing process	Hot air impinged on the substrate for 1 min at 105°C
	Flame retardant details	See Note 2
Backing	Product reference	"Tranquility Backing"
	Generic type	Polycotton Osnaburg
	Name of manufacturer	See Note 1
	Thickness	See Note 1
	Weight per unit area	64.6 g/m ²
Adhesive	Product reference	"Dixon Turner Heavy"
	Generic type	PVA/starch/water
	Name of manufacturer	See Note 1
	Application rate	200g/m ²
	Application method	Lambswool roller
	Flame retardant details	See Note 2

Primer	Product reference	"ET Primaseal"
	Generic type	PVA/starch/water
	Name of manufacturer	See Note 1
	Application rate	85g/m ²
	Application method	Lambswool roller
	Flame retardant details	See Note 2
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		Vinyl coating, printing and embossing

Note 1: The sponsor was unwilling 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.

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	Newmor	WF 183153	EN ISO 11925-2
Bodycote warringtonfire	Newmor	WF 182470	EN 13823

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	58.3	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2	F _s	6	40	Compliant

(30s exposure – edge)	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	12.88	Compliant
	FIGRA _{0.4MJ}		11.79	Compliant
	THR _{600s}		1.76	Compliant
	LFS		N	Compliant
	SMOGRA		9.88	Compliant
	TSP _{600s}		116.71	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 product, 'Tranquility', a printed fabric-backed vinyl wallcovering, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

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

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

i.e. **B – s2 , d0**

Reaction to fire classification: B – s2, 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 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2 or better.
- ii) Substrate prepared utilising 'Dixon Turner Primer', a PVA/starch/water based primer, at an application rate of 85g/m².
- iii) Product installed utilising 'Dixon Turner Heavy' a PVA/starch/water based adhesive, at an application rate of 200g/m².

This classification is also valid for the following product parameters:

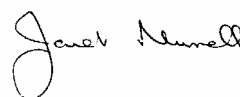
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product composition	No variation allowed
Product colour/pattern	No variation allowed
Product construction	No variation allowed
Product application	No variation allowed

5. Limitations

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

SIGNED

APPROVED



.....
Simon Ince
Certification Engineer
Technical Department

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

This copy has been produced from a .pdf format electronic file that has been provided by Bodycote **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 Bodycote **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 Bodycote **warringtonfire** staff.



Bodycote warringtonfire • Head Office • Holmesfield Road • Warrington • Cheshire • WA1 2DS • United Kingdom
Tel: +44 (0) 1925 655 116 • Fax: +44 (0) 1925 655 419 • Email: Info@warringtonfire.net • Website: www.warringtonfire.net

