

Customer: Dragonsshine Limited
A302 Meidu Plaza
789 Moganshan road
310011 Hangzhou
PR China

Attention of: Daisy Liu

EN 13501-1: 2002 Classification Report

Subject: **BS EN ISO 13501-1: Fire classification of construction products and building elements. Part 1: Classification using test data from reaction to fire tests†**

Your ref: Texplweave

Our ref: FLO 0164481/3/0823/SLM/SPF – issue 3

Date: 10th July 2008

Issue 2 date: 10th June 2010

Conditions of Issue:

This report may be forwarded to other parties concerned provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

Tests marked † fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Tests marked † are not UKAS accredited

Report signed by: Jacqueline Glasspool
Business area manager
Floorcoverings
On behalf of SATRA Technology Centre Ltd

Technical Services Report

1. Introduction

This classification report defines the classification assigned to reference 'Texlyweave' with a thickness of mm, in accordance with the procedures given in EN 13501-1: 2002. Testing and certification has been conducted and completed by SATRA Technology Centre Ltd at the request of Dragonshine Limited. All SATRA Reports are held in the relevant file associated with this report and this classification report is issued under the SATRA agreement.

2. Details of Classified Products

2.1 General

The product 'Texlyweave' a woven PVC floor covering with 4.1mm thickness and a mass per unit area of 1.9kg/m^2 is defined as being suitable for floorcovering applications.

2.2 Product Description

The product 'Texlyweave' a woven PVC floor covering with 4.1mm thickness and a mass per unit area of 1.9kg/m², is fully described below and in the test reports provided in support of classification listed in clause 3.1.

General description of flooring system			Flat woven textile floorcovering (EN 15114)
Product reference of flooring system			Texlyweave Raffia
Name of Manufacturer			Dragonshine Limited
Colour:			Barley
Overall weight per unit area			1.9 kg/m ²
Overall Thickness			4.1 mm
Product Configuration			
Floor covering	Flat Woven Pile	Product Reference	Texlyweave
		Generic Type	25% polyester coated in 75% PVC
		Name of Manufacturer	Dragonshine Limited
		Weight per unit area	See Note 1
		Pile thickness	See Note 1
		Colour	Barley
		Flame Retardant details	The client has confirmed no flame retardants have been added.
	Backing	Product Reference	See Note 1
		Generic Type	Expanded polyvinyl chloride
		Name of Manufacturer	Dragonshine Limited
		Weight per unit area	See note 1
		Thickness	See note 1
		Colour	Black
		Flame Retardant details	The client has confirmed no flame retardants have been added.
Test Substrate			
Adhesive	Generic type	No Adhesive was applied	
	Trade name		
	Manufacturer		
	Application Rate		
	Specific Density		
Substrate	Generic type	“NT D4 604”	
	Trade name	Fibre cement board	
	Manufacturer	Scheerders van de Kerkhove (SVK)	
	Thickness	6 ± 1mm	
	Density	1800 ± 200 kg/m ³	
Brief description of manufacturing process of the floor covering			The PVC fibres are flat woven and then heat bonded to the expanded PVC backing

Note 1: The sponsor of the test has failed to provide the information.

Note 2: The sponsor has provided the required information but at the request of the sponsor it has been omitted from the final report.

Note 3: The sponsor was unwilling to provide the required information.

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

3.1 Test Reports/extended application reports

Testing Laboratory	Name of Sponsor	Test Reports / extended application reports	Test method / extended application rules & date
SATRA Technology Centre Ltd	GC Interiors Ltd	FLO 0164481/2-0823	EN ISO 9239-1
SATRA Technology Centre Ltd	GC Interiors Ltd	FLO 0164481/1-0823	EN ISO 11925-2

3.2 Test Results

Test method & test number	Parameter	No. tests	Results		
			Continuous parameter – mean (m)	Compliance with parameters Cfl-s1	Compliance with parameters Bfl-s1
EN ISO 9239-1	Critical flux (kW/m ²)	4	5.06 4.58 4.27 Mean = 4.64	Compliant	Non Compliant
	Smoke (%.min)		189.93 248.10 310.31 Mean = 249.45	Compliant	Compliant
EN ISO 11925-2 (15s exposure - surface)	F _s (mm)	6	60	Compliant	Compliant
	Flaming Droplets / particles		None	Compliant	Compliant

4. Classification and field of application

4.1 Reference of application

This classification has been carried out in accordance with clause 11 of EN 13501-1 : 2002

4.2 Classification

The product 'Texlyweave' a woven PVC floor covering with 4.1mm thickness and a mass per unit area of 1.9kg/m², in relation to its reaction to fire behaviour is classified:

C_{fl}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for flooring is:

Fire Behaviour	Smoke Production	
C_{fl}	s	1

i.e **B_{fl} – s1**

Reaction to Fire classification: C_{fl} – s1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Flooring applications, used over and above any substrate with a density equal to or greater than 1800 Kg/m³, having a minimum thickness of 6 mm and a fire performance of A2 or better.
- ii) Installed with or without adhesive

This classification is also valid for the following product parameters:

Products:	Texlyweave
Product thickness:	4.1 mm (no variation allowed)
Product weight per unit area:	1919.5 g/m ² (no variation allowed)
Density:	471.96 kg/m ³ (no variation allowed)
Colour:	Any variation allowed
Pile:	No variation from the described product
Backing:	No variation from the described product

Technical Services Report

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All goods manufactured by us are guaranteed both as regards material and workmanship. Any part returned carriage paid, within twelve months from date of supply and found defective, will be repaired or replaced at our option free of charge. We admit no liability for loss, damage or delay consequent on any defect in any goods supplied by us. Any goods supplied but not made by The Centre carry only the maker's guarantee.
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 - i. The above shall not be disclosed to third parties or used in litigation without the consent of The Centre.
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The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.