



**Laboratório Nacional de Engenharia Civil**  
**Departamento de Edifícios**

Núcleo de Revestimentos e Isolamentos  
Laboratório de Ensaios de Reação ao Fogo

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Visto

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*This document is an authorized English version of the reaction to fire classification report RC-RF 54/2013-LNEC/EM-URF issued by the Reaction to Fire Testing Laboratory of the National Laboratory of Civil Engineering (LNEC/LERF)*

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

### **SPONSOR:**

NAME: ENDUTEX- Revestimentos Têxteis, S. A.

ADDRESS: Rua da Baiona, 22 – 4795-784 VILARINHO

PREPARED BY: Laboratório Nacional de Engenharia Civil (LNEC)

ADDRESS: Av. do Brasil, 101, 1700-066 LISBOA PORTUGAL

PRODUCT NAME: PVC coated floor covering fabric, reference **PRINT FLOOR**

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## 1 – INTRODUCTION

This classification report defines the classification assigned to the PVC coated floor covering fabric with the trade name **PRINT FLOOR**, in accordance with the procedures given in EN 13501-1: 2007+A1:2009 - "Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests".

LNEC's Reaction to Fire Testing Laboratory (LNEC/LERF) is accredited by IPAC (L0488-Ensaios) to perform the fire tests (vd. 3) supporting the assigned classification.

## 2 – DETAILS OF CLASSIFIED PRODUCT

### 2.1 – General

The product is defined as PVC coated floor covering fabric with the trade name **PRINT FLOOR**.

### 2.2 – Product description

The classified product manufactured by ENDUTEX- Revestimentos Têxteis, S. A. is fully described below.

#### Product description:

In accordance with the information supplied by the sponsor, the test sample represented a section of a roll of a PVC coated floor covering fabric (white).

The tested product has the following characteristics:

- Manufacturer ..... ENDUTEX- Revestimentos Têxteis, S. A.
- Address ..... Rua da Baiona, 22 – 4795-784 VILARINHO
- Reference (trade name) ..... **PRINT FLOOR**
- Colour ..... white
- Total thickness (nominal value) ..... 2,2 mm
- Mass per unit area (nominal value) ..... 1,0 kg/m<sup>2</sup>



### 3 – TEST REPORTS AND TEST RESULTS IN SUPPORT OF CLASSIFICATION

#### 3.1 – Test reports

Name of Laboratory	Name of sponsor	Report No.	Test method and date
LNEC/EM-URF	ENDUTEX- Revestimentos Têxteis, S. A.	126/2013-LNEC/EM-URF	EN ISO 11925-2:2010 + AC:2011
		127/2013-LNEC/EM-URF	EN ISO 9239-1:2010

#### 3.2 – Results

Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter - mean values	Compliance with parameters
EN ISO 9239-1: 2010	CHF (kW/m <sup>2</sup> )	3	8,78	–
	Smoke (%.min)		128	–
EN ISO 11925-2:2010 + AC:2011 Surface flame attack Exposure time: 15 s	Fs (mm)	6	0	YES (Fs ≤ 150 mm)
	Flaming droplets or particles (ignition of the filter paper)		NO  (NO)	YES  (YES)

### 4 – CLASSIFICATION AND FIELD OF APPLICATION

#### 4.1 – Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1+A1:2009, September 2009.



**4.2 – Classification**

White PVC coated floor covering fabric, trade name **PRINT FLOOR**, in relation to its reaction to fire behaviour is classified as follows:

**B<sub>fl</sub>**

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 <sub>fl</sub>	-	s	1

*i.e.* , **B<sub>fl</sub>-s1**

**Reaction to fire classification: B<sub>fl</sub>-s1**

**4.3 – Field of application**

This classification is valid for the products described in 2.2 (*vd.* 2), when applied indoors, directly laid (either loose laid, glued or mechanically fixed) over a non-combustible substrate (classes A1 or A2-s1, d0) with specific density greater than 615 kg/m<sup>3</sup>.

This classification is valid or the following product parameters:

- Trade name .....**PRINT FLOOR**
- Total thickness (nominal value) ..... 2,2 mm
- Colour .....white

**5 – LIMITATIONS**

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

LISBOA, 17 December 2013

The Head of the Testing Laboratory

C. A. Pina Santos  
 Senior Resercher