



CLASSIFICATION REPORT

This document is an authorized English version of the reaction to fire classification report RC-RF 0003/2019-URF issued by the Reaction to Fire Testing Laboratory of the National Laboratory of Civil Engineering (LNEC/EM-URF)

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007+A1:2009 and COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015

1 | Identification

Sponsor:	FILMOLUX
Address of the sponsor:	5 rue Benjamin Franklin 94370 Sucy en Brie
Prepared by:	Laboratório Nacional de Engenharia Civil (LNEC)
Address:	Av. do Brasil, 101, 1700-066 LISBOA PORTUGAL
Description of the sample:	FILMOflex Floor
Classification report No:	0003/2019-URF
Date of issue:	2019-01-31

This Classification Report consists of five pages and may only be used or reproduced in its entirety.

2 | Introduction

This classification report defines the European reaction to fire classification assigned to a PVC coated (both faces) polyester woven fabric, commercial reference FILMOflex Floor in accordance with the procedures given in EN 13501-1:2007+A1:2009-en - "Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests" and COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015

LNEC's Reaction to Fire Testing Laboratory (LNEC/EM-URF) is accredited by IPAC (L0488--Ensaios) to perform the fire tests (vd. 4) supporting the assigned classification.



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3 | Details of the classified product

3.1 General

The product is defined as a PVC coated (both faces) polyester woven fabric, commercial reference FILMOflex Floor

3.2 Product description

The detailed description of the products is as follows:

In accordance with the information supplied by the sponsor and the Technical Data Sheet of the classified product, the product is a PVC coated (both faces) polyester woven fabric, commercial reference FILMOflex Floor, having the following characteristics:

- Manufacturer..... FILMOLUX
- Address..... 5 rue Benjamin Franklin 94370 Sucy en Brie
- Commercial designation..... FILMOflex Floor
- Composition..... 85% PVC and 15% polyester
- Colour
 - Wear layer white
 - Back layer pearl white
- Length (m) variable
- Width (nominal value)..... 1,10 m; 1,25 m; 1,60 m; 2,00 m; 2,20 m; 2,50 m; 3,15 m; 4,30 m e 4,95 m
- Total thickness (nominal value) 2,2 ± 0,2 mm
- Mass per unit area (nominal value) 1,0 ± 0,1 kg/m²



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4 | Test reports and test results in support of classification

4.1 Test reports

Name of Laboratory	Name of sponsor	Report No.	Test method and date
LNEC/EM-URF	FILMOLUX	0002/2019-URF	EN ISO 11925-2:2010-en
		0003/2019-URF	EN ISO 9239-1:2010-en

4.2 Test results

Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter mean values	Compliance with parameters
EN ISO 9239-1: 2010-en	CHF (kW/m ²) Smoke (%.min)	3	9,9 88,74	- -
EN ISO 11925-2: :2010-en	Fs (mm)	3 + 3	< 150	YES (Fs ≤ 150 mm)
Surface flame attack	Flaming droplets or particles		NO	YES
Exposure time: 15 s	(ignition of the filter paper)		(NO)	(YES)



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5 | Classification and field of application

5.1 Reference of classification

This classification has been carried out in accordance with clause 12 of EN 13501-1+A1:2009, and criteria defined in COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015).

5.2 Classification

White PVC coated (both faces) polyester woven floor covering fabric, trade name FILMOflex Floor in relation to its reaction to fire behaviour is classified (vd. 5.3) as follows:

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



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5.3 Field of application

This classification is valid for the product described in 3.2 (vd. 3), when applied indoors, directly laid (either loose laid, glued or mechanically fixed) over a non-combustible substrate (classes **A1/A1_{FL}** or **A2-s1/A2_{FL}-s1**) with specific density greater than 1350 kg/m³ and thickness equal to or greater than 9 mm.

The influence of any paintings/printings on the surface of the product was not evaluated.

This classification is valid for the following product parameters:

- Commercial designation (trade name)..... FILMOflex Floor
- Total thickness (nominal value)..... 2,2 ± 0,2 mm
- Colour..... white

6 | Limitations

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

The classification presented in this Classification Report does not exempt the satisfaction of the requirements defined in the relevant legislation.

Lisboa, LNEC, 31 January 2019

The Head of the Testing Laboratory

Carlos Pina Santos

Carlos Pina Santos

Senior Research Officer