



CLASSIFICATION REPORT

This document is an authorized English version of the reaction to fire classification report RC-RF 0007/2019-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: ENDUTEX- Revestimentos Têxteis, S. A.
Address of the sponsor: Rua da Baiona, 22 – 4795-784 VILARINHO
Prepared by: Laboratório Nacional de Engenharia Civil (LNEC)
Address: Av. do Brasil, 101, 1700-066 LISBOA PORTUGAL
Description of the sample: Opaque resin and polyester fabric, brand name **POLYCRIL GW FR**
Classification report No: 0007/2019-URF
Date of issue: 2019-02-25

This Classification Report consists of 6 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 an opaque resin and polyester fabric, brand name **POLYCRIL GW FR**, 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.



M. Rosario Velga
M. Rosario Velga
Chefe do NRI

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3 | Details of the classified product

3.1 General

The product is defined as an opaque resin and polyester fabric, brand name **POLYCRIL GW FR**.

3.2 Product description

The detailed description of the products is as follows:

In accordance with the information supplied by the sponsor, the classified product consisted of an opaque resin and polyester fabric, brand name **POLYCRIL GW FR**.

The product has the following characteristics:

- Manufacturer..... ENDUTEX- Revestimentos Têxteis, S. A.
- Address..... Rua da Baiona, 22 – 4795-784 VILARINHO
- Commercial designation..... **POLYCRIL GW FR**
- Composition..... 55% resin and 45% polyester
- Colour
 - main face white
 - back face light grey
- Length (m) *variable*
- Width (nominal value)..... *variable*
- Total thickness (nominal value) 0,32 mm
- Density (measured) $\cong 1000 \text{ kg/m}^3$
- Total mass per unit area (nominal value) $0,32 \pm 0,03 \text{ kg/m}^2$



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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	ENDUTEX- Revestimentos Têxteis, S. A.	0020/2019-URF	EN ISO 11925-2:2010-en
		0021/2019-URF	NP EN 13823:2010-en

4.2 Test results

Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter mean values	Compliance with parameters
EN 13823:2010 (SBI test)	FIGRA _{0,2MJ} (W/s)	3 + 1	---	YES
	FIGRA _{0,4MJ} (W/s)		-	YES
	LFS < Edge		YES	YES
	THR _{600s} (MJ)		0,6	YES
	SMOGRA (m ² /s ²)		108	YES
	TSP _{600s} (m ²)		61	YES
	FDP		NO	YES

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Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter mean values	Compliance with parameters
EN ISO 11925-2: :2010 + AC:2011-en	Fs (mm)	7 + 10	< 150	YES (Fs ≤ 150 mm)
Surface and edge flame attack	Flaming droplets or particles		NO	YES
Exposure time: 30 s	(ignition of the filter paper)		(NO)	(YES)

5 | Classification and field of application

5.1 Reference of classification

This classification was carried out in accordance with clause 11 of EN 13501-1+A1:2009-en, September 2009 and the criteria defined in the COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015.

5.2 Classification

The opaque resin and polyester fabric, brand name POLYCRIL GW FR, in relation to its reaction to fire behaviour is classified (vd. 5.3):

B

The additional classification in relation to smoke production is:

s2



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The additional classification in relation to flaming droplets /particles is

d0

The format of the reaction to fire classification, except for floorings, is:

Fire behaviour		Smoke production			Flaming droplets / particles	
B	-	s	2	,	d	0

i.e., B-s2, d0

Reaction to fire classification: **B-s2, d0**

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; with or without an air space – over/in front of a non-combustible substrate (classes A1 or A2-s1,d0) with specific density greater than 1350 kg/m³ and thickness equal to or greater than 9 mm.

The influence of any paintings/printings or other additional facings on the surface of the classified product **was not** evaluated.

This classification is valid or the following product parameters:

- Commercial designationPOLYCRIL GW FR
- Total thickness (nominal value).....0,32 mm
- Colour..... white/light grey

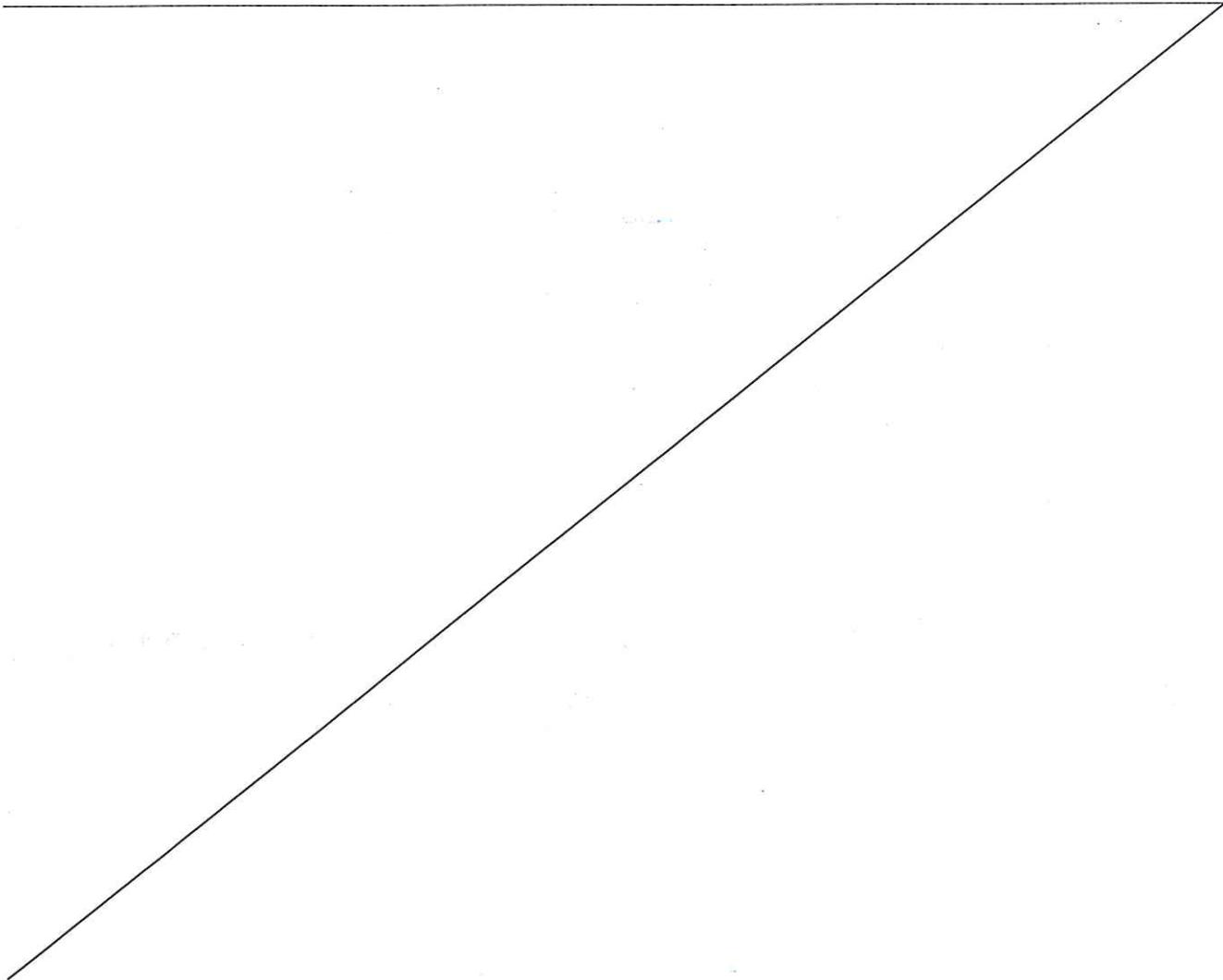


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6 | Limitations

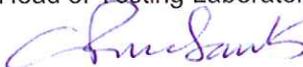
This classification document does not represent type approval or certification of the product.

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



Lisboa, LNEC, 25 February 2019

The Head of Testing Laboratory



Carlos Pina dos Santos