




Relatório n.º	0023/2020-URF
Pág.	1/6
Processo n.º	0803/1301/07975
Pedido n.º	30/2019
Visto	 M. Rosário Veiga Chefe do NRI

RELATÓRIO DE CLASSIFICAÇÃO

This document is an authorized English version of reaction to fire classification report RC-RF 0023/2020-URF issued by the Reaction to Fire Testing Laboratory of the National Laboratory of Civil Engineering (LNEC/ EM-URF).

This Classification Report cancels and replaces the Classification Report RC-RF n.º 0001/2020-URF, issued by Laboratório Nacional de Engenharia Civil (LNEC) on January 13, 2020.

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018-en (and COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015)

1 | Identification

Sponsor:	DIGIDELTA INTERNACIONAL - Importação e Exportação, S. A.
Address of the sponsor:	Casal Torteiro, Zona Industrial de Torres Novas 2350-483 Torres Novas
Prepared by:	Laboratório Nacional de Engenharia Civil (LNEC)
Address:	Av. do Brasil, 101, 1700-066 LISBOA PORTUGAL
Description of the sample:	Self-adhesive wallcovering PVC film (acrylic adhesive), commercial reference DECAL WALLCOVER P HT 160 FR with different alternative textures [refs. Pumice M , Woodgrain M , Marroco M and Canvas M].
Classification report No:	0001/2020-URF
Date of issue:	2019-11-13

This Classification Report consists of 6 pages and may only be used or reproduced in its entirety.

2 | Introduction

This classification report defines the reaction to fire classification assigned to the decorative self-adhesive wallcovering PVC film (acrylic adhesive), textured matte, with removable clay coated paper liner, generic commercial reference **DECAL WALLCOVER P HT 160 FR** and different alternative textures, in accordance with the procedures given in EN 13501-1:2018 - "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. 3) supporting the assigned classification.



Relatório n.º	0023/2020-URF
Pág.	2/6
Processo n.º	0803/1301/07975
Pedido n.º	30/2019
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RELATÓRIO DE CLASSIFICAÇÃO

3 | Details of the classified product

3.1 General

The classified product consisted of textured decorative self-adhesive wallcovering PVC films, matte finish, generic commercial reference **DECAL WALLCOVER P HT 160 FR** and different alternative surface textures.

3.2 Product description

In accordance with the information and the Technical Data Sheets supplied by the sponsor, the tested products consisted of four alternative textured matte PVC films, with acrylic adhesive and removable clay coated paper liner. The product presented the following generic characteristics:

- Manufacturer/trade agentDIGIDELTA INTERNACIONAL
- Address of the manufacturer/trade agentZona Industrial de Torres Novas, Lote 1 Casal Torteiro
2350-483 Torres Novas
- Commercial designation **DECAL WALLCOVER P HT 160 FR**
- References **Pumice M, Woodgrain M, Marroco M and Canvas M**
- Material PVC film
- Finish textured matte
- Colour **white**
- Adhesive..... acrylic
- *Liner* (removable)..... clay coated paper
- Mass per unit area (**nominal** value)..... 140 g/m² ± 5%
- Thickness (**nominal** value)..... 100 µm ± 5%
- Field of application decorative self-adhesive wallcovering



RELATÓRIO DE CLASSIFICAÇÃO

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	DIGIDELTA INTERNACIONAL	0109/2019-URF	EN ISO 11925-2:2010 / AC :2011-en
		0110/2019-URF	EN 13823:2010+A1:2014-en
		0001/2020-URF	EN ISO 11925-2:2010 / AC :2011-en
		0002/2020-URF	EN 13823:2010+A1:2014-en

4.2 Test results

Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter mean values (individual values)	Compliance with parameters
EN 13823:2010+ +A1:2014-en (SBI test)	FIGRA _{0,2MJ} (W/s)	3 ⁽¹⁾	1,4 (4,2 / --- / ---)	YES
	FIGRA _{0,4MJ} (W/s)		1,4 (4,2 / --- / ---)	(YES)
	LFS < Edge		YES (YES / YES / YES)	YES
	THR _{600s} (MJ)		0,7 (1,0 / 0,3 / 0,8)	YES
	SMOGRA (m ² /s ²)		--- / --- / ---	YES
	TSP _{600s} (m ²)		22 (24 / 20/ 21)	YES
FDP	NO (NO / NO / NO)	YES		

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Relatório n.º	0023/2020-URF
Pág.	4/6
Processo n.º	0803/1301/07975
Pedido n.º	30/2019
Visto	 M. Rosário Veiga Chefe do NRI

RELATÓRIO DE CLASSIFICAÇÃO

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Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter individual values	Compliance with parameters
EN 13823:2010+ +A1:2014-en (SBI test)	FIGRA _{0,2MJ} (W/s)	1 + 1 + 1 ⁽²⁾	--- / --- / ---	YES
	FIGRA _{0,4MJ} (W/s)		--- / --- / ---	(YES)
	LFS < Edge		YES / YES / YES	YES
	THR _{600s} (MJ)		0,5 / 1,0 / 0,9	YES
	SMOGRA (m ² /s ²)		--- / --- / ---	YES
	TSP _{600s} (m ²)		23 / 25 / 25	YES
	FDP		NO / NO / NO	YES
EN ISO 11925-2:2010 / AC:2011-en	F_s	6 + 6 ⁽¹⁾	< 150	YES (F _s ≤ 150 mm)
Edge and surface exposure to flame	Flaming droplets/particles (Ignition of the filter paper)		NO	YES
Exposure time: 30 s			(NO)	(YES)
EN ISO 11925-2:2010 / AC:2011-en	F_s	2 + 2 + 2 ⁽²⁾ 2 + 2 + 2 ⁽²⁾	< 150	YES (F _s ≤ 150 mm)
Edge and surface exposure to flame	Flaming droplets/particles (Ignition of the filter paper)		NO	YES
Exposure time: 30 s			(NO)	(YES)

¹ – Results obtained with sample ref. **Woodgrain M**;

² - Results obtained with samples ref. **Pumice M**, **Marroco M** and **Canvas M**, respectively.



Relatório n.º	0023/2020-URF
Pág.	5/6
Processo n.º	0803/1301/07975
Pedido n.º	30/2019
Visto	 M. Rosário Veiga Chefe do NRI

RELATÓRIO DE CLASSIFICAÇÃO

5 | Classification and field of application

5.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018, December 2018 (and criteria defined in COMMISSION DELEGATED REGULATION (EU) 2016/364 of 1 July 2015).

5.2 Classification

The decorative white matte textured wallcovering PVC film, generic commercial reference **DECAL WALLCOVER P HT 160 FR**, in relation to its reaction to fire behaviour is classified (see also 5.3):

B

The additional classification in relation to smoke production is:

s1

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	1	,	d	0

i.e., **B-s1, d0**

Reaction to fire classification: **B-s1, d0**



Relatório n.º	0023/2020-URF
Pág.	6/6
Processo n.º	0803/1301/07975
Pedido n.º	30/2019
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RELATÓRIO DE CLASSIFICAÇÃO

5.3 Field of application

This classification is valid for the decorative self-adhesive wallcoverings made up of matte white textured PVC film, with the generic commercial reference **DECAL WALLCOVER P HT 160 FR**, when **applied directly** on concrete surfaces and cement renders (classes **A1** or **A2-s1,d0**) having a density greater than 1350 kg/m³ and a thickness equal or greater than 9 mm.

This classification is **not applicable** either to uses of the product over existing coatings, or to painted or printed products, and is valid for the following product references described in **3.3** (vd. 3):

- **Pumice M**, white matte;
- **Woodgrain M**, white matte;
- **Marroco M**, white matte;
- **Canvas M** white matte.

6 | Observations

DIGIDELTA INTERNACIONAL - Importação e Exportação, S. A. has sent to LNEC, on June 18, 2020, a written statement attesting that the products with the trade name **DECAL WALLTEXT ADHESIVE** and references **Pumice M**, **Woodgrain M**, **Marroco M** e **Canvas M** started to be marketed under the name **DECAL WALLCOVER P HT 160 FR**, maintaining the references **Pumice M**, **Woodgrain M**, **Marroco M** and **Canvas M**. The products have not undergone any other changes and have previously been subjected to tests and fire reaction classification by the Laboratório Nacional de Engenharia Civil (RC-RF Classification Report No. 0001/2020-URF, issued by LNEC on January 13, 2020).

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 normative requirements (namely in the scope of CE marking) and others defined in the relevant legislation.

Lisboa, LNEC, 10 July 2020

The Head of Testing Laboratory

Carlos Pina Santos