



RELATÓRIO DE CLASSIFICAÇÃO

This document is an authorized English version of the reaction to fire classification report RC-RF 0034/2021-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 13501-1:2018-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:	Decorative polypropylene (PP) textured films with general reference “ decal allddecor 2D PHT 190 ” and design (<i>finish/colour</i>) references “ phono welsh dark brown ”, “ ribera ash cream ”, “ plaza stone concrete ” and “ makalu pearl grey ”, for application on flat surfaces (ceilings and walls).
Classification report No:	00034/2021-URF
Date of issue:	2021-07-16

This Classification Report consists of 7 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 self-adhesive decorative polypropylene (PP) textured films applied to interior flat surfaces (excluding floorings) “**decal allddecor 2D PHT 190**”, and design references (*finish/colour*) “**phono welsh dark brown**”, “**ribera ash cream**”, “**plaza stone concrete**” and “**makalu pearl grey**”, with acrylic adhesive and removable liner (double side PE coated fine paper), 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).



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3 | Details of the classified product

3.1 General

The classified products consist of decorative polypropylene (PP) textured films, with general commercial reference “**decal aldecor 2D PHT 190**” and design references (*finish/colour*) “**phono welsh dark brown**”, “**ribera ash cream**”, “**plaza stone concrete**” and “**makalu pearl grey**”, for application on flat interior surfaces (ceilings/walls).

3.2 Product description

In accordance with the information and the Technical Data Sheets supplied by the sponsor, the tested product samples presented the following generic characteristics

- Manufacturer/trade agent DIGIDELTA INTERNACIONAL
- Address of the manufacturer/trade agent Zona Industrial de Torres Novas, Lote 1 Casal Torteiro
2350-483 Torres Novas

Design (finish / texture)

Sample 24/2021-1 - “**decal aldecor 2D PHT 190**”, ref. “**ribera ash cream**”

- Colour / texture light brown / wood

Sample 24/2021-2 - “**decal aldecor 2D PHT 190**”, ref. “**plaza stone concrete**”

- Colour / texture beige / stone/concrete

Sample 24/2021-3 - “**decal aldecor 2D PHT 190**”, ref. “**makalu pearl grey**”

- Colour / texture grey / cement

Sample 24/2021-4 - “**decal aldecor 2D PHT 190**”, ref. “**phono welsh dark brown**”

- Colour / texture dark brown (black) / leather



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General characteristics

- Commercial generic designation..... **decal aldecor 2D PHT 190**
- Material (film)polypropylene film (PP)
- Finish..... textured
- Mass per unit area (**nominal** value).....200 - 235 g/m² (± 10%)
- *Standard* thickness (textured)..... 100 to 200 µm
- Adhesiveclear acrylic based (*permanent high tack*)
- Liner (removable)..... *double side PE coated fine paper*
 - Mass per unit area (nominal value) 143 g/m² (± 10%)
 - Thickness (nominal value)..... 166 µm (± 10%)
- Field of application Interior flat surfaces (ceilings, walls),
excluding floorings

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	0066/2021-URF	EN ISO 11925-2:2020
		0067/2021-URF	EN 13823:2020



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4.2 Test results

Test method(s)	Parameter	No. test specimens	Results	
			Continuous parameter mean values * (individual values) **	Compliance with parameters
EN 13823:2020 (SBI test)	FIGRA _{0,2MJ} (W/s)	3 + 2 + 1 + 1 (1)	40 (9.9-12.4 / 19.0 / 17.3)	YES
	FIGRA _{0,4MJ} (W/s)		40 (9.9-12.4 / --- / 6.4)	(YES)
	LFS < edge		YES (YES / YES / YES)	YES
	THR _{600s} (MJ)		1.9 (1.1-1.4 / 0.9 / 1.4)	YES
	SMOGRA (m ² /s ²)		--- (--- / --- / ---)	YES
	TSP _{600s} (m ²)		17 (14.4-19.2 / 15.4 / 15.0)	YES
	FDP		NO (NO / NO / NO)	YES

EN ISO 11925-2: :2020	F_s		< 20	YES (F _s ≤ 150 mm)
Edge and surface exposure to flame	Flaming droplets/particles	3 + 3 ⁽²⁾	NO	YES
		2 + 2 ⁽²⁾ 1 + 1 ⁽²⁾ 1 + 1 ⁽²⁾		
Exposure time: 30 s	Ignition of the filter paper		NO	YES

* - Mean value of the results obtained with samples ref. "**phono welsh dark brown**", considered as representative (less favourable) of the "family" of decorative textured films "**decal allddecor 2D PHT 190**".

** - Individual results obtained with samples ref. "**ribera ash cream**", "**plaza stone concrete**" and "**makalu pearl grey**".

1- Results obtained with samples of textured films "**decal allddecor 2D PHT 190**", ref. "**phono welsh dark brown**" (3), "**ribera ash cream**" (2), "**plaza stone concrete**" (1) and "**makalu pearl grey**" (1).

2- Results obtained with samples of textured films "**decal allddecor 2D PHT 190**", ref. "**phono welsh dark brown**" (3 + 3), "**ribera ash cream**" (2 + 2), "**plaza stone concrete**" (1 + 1) and "**makalu pearl grey**" (1 + 1).

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5 | Classification and field of application

5.1 Reference da 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 products consisting of decorative self-adhesive polypropylene (PP) textured films, with general commercial reference “**decal allddecor 2D PHT 190**” and design references “*phono welsh dark brown*”, “*ribera ash cream*”, “*plaza stone concrete*” and “*makalu pearl grey*”, for application on flat surfaces (ceilings and walls), in relation to their reaction to fire behaviour are 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



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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**

5.3 Field of application

This classification is valid for self-adhesive decorative polypropylene (PP) textured films with general commercial reference “**decal allddecor 2D PHT 190**” and design references “*phono welsh dark brown*”, “*ribera ash cream*”, “*plaza stone concrete*” and “*makalu pearl grey*”, when **applied directly** on **non-combustible surfaces** (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** to uses of the products over existing coatings, and is valid for all the design references of “**decal allddecor 2D PHT 190**” with the following characteristics:

- Mass per unit area (**nominal** value)..... ≤ 260 g/m²
- Thickness (**nominal** value)..... ≤ 200 µm
- Colour **any colour**
- Finish..... smooth or **textured**



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

Lisboa, LNEC, 16 July 2021

THE HEAD OF THE TESTING
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