CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1: 2018

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TÜV SÜD Process Safety · Mattenstrasse 24 · CH-4002 Basel · Schweiz

Introduction: This classification report defines the classification assigned „TIGER Drylac® POLYESTER POWDER COATINGS“ (as described by the sponsor) in accordance with the procedures given in EN 13501-1:2018.

Sponsor:	TIGER Coatings GmbH & Co. KG Negrellistr. 36 A-4600 Wels
Prepared by:	TÜV SÜD Process Safety WRO-1055-5-24 Mattenstrasse 24 CH - 4002 Basel
Notified Body No:	NB 2139
Product name:	TIGER Drylac® POLYESTER POWDER COATINGS
Classification report No.:	404790-20-0607-01-Z
Issue number:	01
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Date: 2021-01-13

Our reference: PRS / KU

Report No.404790-20-0607-01-Z

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The test results refer exclusively to the units under test

SWISS ACCREDITATION sas.admin.ch STS 0630

Reaction to fire classification: A2-s1, d0

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Enclosure: documents supplied by Requesting Company.

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1. Details of classified product:

1.1 General

For the product *„TIGER Drylac® POLYESTER POWDER COATINGS“* exist no european product standard.

1.2 Product description:

Powder coating for exterior applications and steel construction.
BASIS: Polyester
Samples for EN ISO 1716: 100g Powder
Samples for EN 13823: coated aluminum panels, coating 115µm (approx. 144g/m^2)

2. Reports and results in support of this classification:

2.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method
TÜV SÜD Process Safety	TIGER Coatings GmbH & Co. KG	404790-20-0607-01	EN ISO 1716:2018
L.S. FIRE Testing Institute	TIGER Coatings GmbH & Co. KG	NC 13902/08	EN 13823:2020

2.2 Results:

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
ISO 1716	PCS [MJ/kg] PCS [MJ/m^2]	3	27.19 3.92	--
EN 13823	FIGRA0,2MJ [W/s]	3	10	--
	FIGRA0,4MJ [W/s]		0	--
	LFS < edge		--	compliant
	THR600s [MJ]		0.8	--
	SMOGRA [m^2/s^2]		4.14	--
	TSP600s [m^2]		39.94	--
	Flaming droplets / particles		--	no

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3. Classification and field of application

3.1 Reference of classification

This classification was conducted in accordance to paragraph 11 of the test method EN 13501-1:20180.

3.2 Classification

The product *„TIGER Drylac® POLYESTER POWDER COATINGS "* (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

General Classification	**A2**
Additional classification in relation to smoke production	**s1**
Additional classification in relation to flaming droplets / particles	**d0**

Reaction to fire classification: A2-s1, d0

3.3 Field of application:

- for a thickness of the coating of 115µm (approx. 144g/m^2).

Limitations:

This classification document does not represent type approval or certification of the product.
"The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.
The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that system 3 attestation is appropriate.
The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.".

Signed	**Approved**
Place, Date: Basel, 13. January 2021	Place, Date: Basel, 13. January 2021
Patrick Greiner Test Lab	Christian Kubainsky Head of notified body