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Product name

PolyVinyl 80 LUVESS

Classification report No.

RKS-5/06/2023

Issue number

Issue no. 2

Date of issue

22.08.2023

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2019

This classification report consists of four pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to group of products PolyVinyl 80 LUVESS used as PVC film for indoor decoration purpose (in accordance with the procedures given in EN 13501-1:2019).

2. Details of classified product

2.1 General

The following group of products PolyVinyl 80 LUVESS are used as PVC film for indoor decoration purpose.

2.2 Product description

Group of products, PolyVinyl 80 LUVESS, is described below or is described in the reports provided in support of classification listed in 3.1.

Product description:

PolyVinyl 80 LUVESS, described as PVC film with self-adhesive coating and consisting of 2-layer construction. Polymeric Vinyl in two options matte or glossy (difference made by calendaring) - 80 μ m, Grey Acrylic adhesive or Transparent Acrylic adhesive - 25 μ m, Paper Liner 135 g/m² (with embossed structure or without) which were peeled off before performing tests.

PolyVinyl 80 LUVESS are produced with different types of acrylic adhesives. Tests were performed on film with the highest combustion heat tested with PN-EN 1716-2018 method. All the adhesives were tested on sponsor request in Fire-Lab.

Trade names of films from PolyVinyl 80 LUVESS with different kind of adhesives are:

- a) PolyVinyl 80 LUVESS G W grey air adh,
- b) PolyVinyl 80 LUVESS G W grey adh,
- c) PolyVinyl 80 LUVESS G W adh.

3. Reports and results in support of this classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date
Fire-Lab sp z o.o.	com2C GmbH & co. KG	SBI-5/06/2023	PN-EN 13823+A1:2022-12 28.06.2023
Fire-Lab sp z o.o.	com2C GmbH & co. KG	MP-4/06/2023	PN-EN ISO 11925-2:2020 26.06.2023

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
PN-EN 13823+A1:2022-12 SBI-5/06/2023	FIGRA _{0,2Ml} [W/s]	3	137,09	Not applicable
	FIGRA _{0,4Ml} [W/s]		79,07	Compliant
	LFS < edge		None	Compliant
	THR _{600s} [MJ]		1,67	Compliant

	SMOGRA [m ² /s ²]		0,00	Compliant
	TSP _{600s} [m ²]		28,17	Compliant
	Flaming droplets/particles		None	Compliant
PN-EN ISO 11925-2:2020 Surface exposure 30s MP-4/06/2023	F _s ≤150mm	6	F _s < 150mm	Compliant
	Flaming droplets/particles		None	Compliant
PN-EN ISO 11925-2:2020 Edge exposure 30s MP-4/06/2023	F _s ≤150mm	6	F _s < 150mm	Compliant
	Flaming droplets/particles		None	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2019

4.2 Classification

The products, PolyVinyl 80 LUVESS in relation to its reaction to fire behavior is classified:

C

The additional classification in relations to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Reaction to fire classification: C-s1, d0

4.3 Field of application

This classification is valid for the following parameters defining the product described in point 2.2:

- adhesives with gross heat of combustion (Q_{PCS}) equal or lower than 33,80 MJ/kg

5. Limitations

This classification document does not represent type approval or certification of the product. The assigned classification remains valid as long as:

- The test method will not be changed.
- The product standard or technical approval will not be changed.
- There will be no structural or material changes influencing the properties of the tested material.

SIGNED

APPROVED

signature of person undertaking classification

signature of person authorizing this report