

Sponsor

com2C GmbH & co. KG
Gaensekamp 37
32457 Porta Westfalica
Germany

Prepared by

Fire-Lab Sp. z o.o.
Ul. Szałwiowa 9
03-167 Warszawa, Polska

Product name

Protect 70 PP

Classification report No.

RKS-18/10/2023

Issue number

Issue no. 1

Date of issue

9.11.2023

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 Protect 70 PP used as clear, hardcoated PP film with adhesive 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 Protect 70 PP used as clear, hardcoated PP film with adhesive for indoor decoration purpose.

2.2 Product description

Group of products, Protect 70 PP, is described below or is described in the reports provided in support of classification listed in 3.1.

Product description:

Protect 70 PP matt, sand and matt SoftTouch finishing, described as clear, hardcoated PP film with adhesive and consisting of 2-layer construction:

- PP film – 70 µm (PP film and adhesive)
- Transparent Acrylic adhesive - 25 µm
- Paper Liner 135 µm which were peeled off before performing tests.

The difference in matt, sand and SoftTouch is not in composition of ingredients but in calendaring. Tests were performed on each kind of material, differences in results were not noticed.

Specimen tested on gypsum board substrate.

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-18/10/2023	PN-EN 13823+A1:2022-12 27.10.2023
Fire-Lab sp z o.o.	com2C GmbH & co. KG	MP-14/10/2023	PN-EN ISO 11925-2:2020 30.10.2023

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-18/10/2023	FIGRA _{0,2Ml} [W/s]	3	110,99	Compliant
	FIGRA _{0,4Ml} [W/s]		65,77	Not applicable
	LFS < edge		None	Compliant
	THR _{600s} [MJ]		1,53	Compliant
	SMOGRA [m ² /s ²]		5,25	Compliant
	TSP _{600s} [m ²]		43,01	Compliant
	Flaming droplets/particles		None	Compliant

PN-EN ISO 11925-2:2020 Surface exposure 30s MP-14/10/2023	$F_s \leq 150\text{mm}$	6	$F_s < 150\text{mm}$	Compliant
	Flaming droplets/particles		None	Compliant
PN-EN ISO 11925-2:2020 Edge exposure 30s MP-14/10/2023	$F_s \leq 150\text{mm}$	6	$F_s < 150\text{mm}$	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

Group of products, Protect 70 PP in relation to its reaction to fire behavior is classified:

B

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: B-s1, d0

4.3 Field of application

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

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