REPORT

issued by an Accredited Testing Laboratory

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Exolon Group NV Wakkensesteenweg 47 BE-8700 TIELT Belgien

Classification of reaction to fire in accordance with EN 13501-1

1 Introduction

This classification report defines the classification assigned to the product "Exolon GP clear 099" in accordance with the procedure given in EN 13501-1:2018.

This classification report replace SP classification report 5P07767-1rev1, dated January 27, 2020. The product name has been changed.

2 Details of classified product

2.1 General

The product "Exolon GP clear 099" is defined as a polycarbonate sheet. Its classification is valid for the following end use applications:

Wall claddings, walls, ceilings, window panes, advertisement, roofs, light domes, light covers and design.

According to the owner of this classification report, this product complies with the European product specification EN 16240:2013.

2.2 Product description

According to the client:

Transparent sheet system called "Exolon GP clear 099" consisting of a polycarbonate sheet. The product has a nominal thickness of 1 - 6 mm and a nominal density of 1200 kg/m^3 .

3 Test reports, extended application reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of	Name of	Test report	Accredited test methods
laboratory	sponsor	reference no	and date
SP	Covestro (Tielt) NV	5P07767	EN 13823:2010+A1:2014 and EN ISO 11925-2:2010/AC:2011

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3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		24		
Surface flame attack*				
30 s exposure	$Fs \le 150 \text{ mm}$		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		4		
	FIGRA _{0,2MJ} (W/s)		63	Compliant
	FIGRA _{0,4MJ} (W/s)		63	Compliant
	<i>LFS</i> < edge		(-)	Compliant
	<i>THR</i> _{600s} , (MJ)		0.9	Compliant
	SMOGRA, (m^2/s^2)		30	Compliant
	TSP_{600s} , (m ²)		42	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

* : as required to the end use application of the product

(-) : not applicable

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2018.

4.2 Classification

The product called "Exolon GP clear 099" in relation to its reaction to fire behaviour is classified:

В

The additional classification in relation to smoke production is:

s1

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

d0

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

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Fire Behaviour		Smoke Production			Flaming Droplets	
В	-	S	1	,	d	0

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

4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness: 1 - 6 mm.

Nominal density: 1200 kg/m³.

This classification is valid for the following end use conditions:

Mounting:

- Freestanding.
- < 6 mm sheets shall have sealed edges using aluminium tape.

Fixings:

• Mechanically fixed.

The sample was delivered by the client. RISE Fire Technology was not involved in the sampling procedure.

5 Limitations

This classification document does not represent type approval or certification of the product.

RISE Research Institutes of Sweden AB Department Fire Technology - Reaction to Fire Medium Scale Lab

Performed by

Examined by

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