CLASSIFICATION REPORT
REACTION TO FIRE
according to EN 13501-1:2018

Contract №: 03072/24/Z00NZP

Customer:	**Fiberplast Biobased B.V. De Boeg 24 9206 BB DRACHTEN The Netherlands**
Prepared by:	**Fire Research Department Building Research Institute 1 Filtrowa Str. 00-611 Warszawa**
Product name:	**RIWOOD FR CP series closed horizontal façade system end-use application**
Classification report №:	**03072.1/24/Z00NZP-ENG**
Issue nr:	**1**
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This classification report consists of three pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to the RIWOOD FR CP series closed facade system end-use application in accordance with procedures given in EN 13501-1:2019-02.

2. Details of the classified product

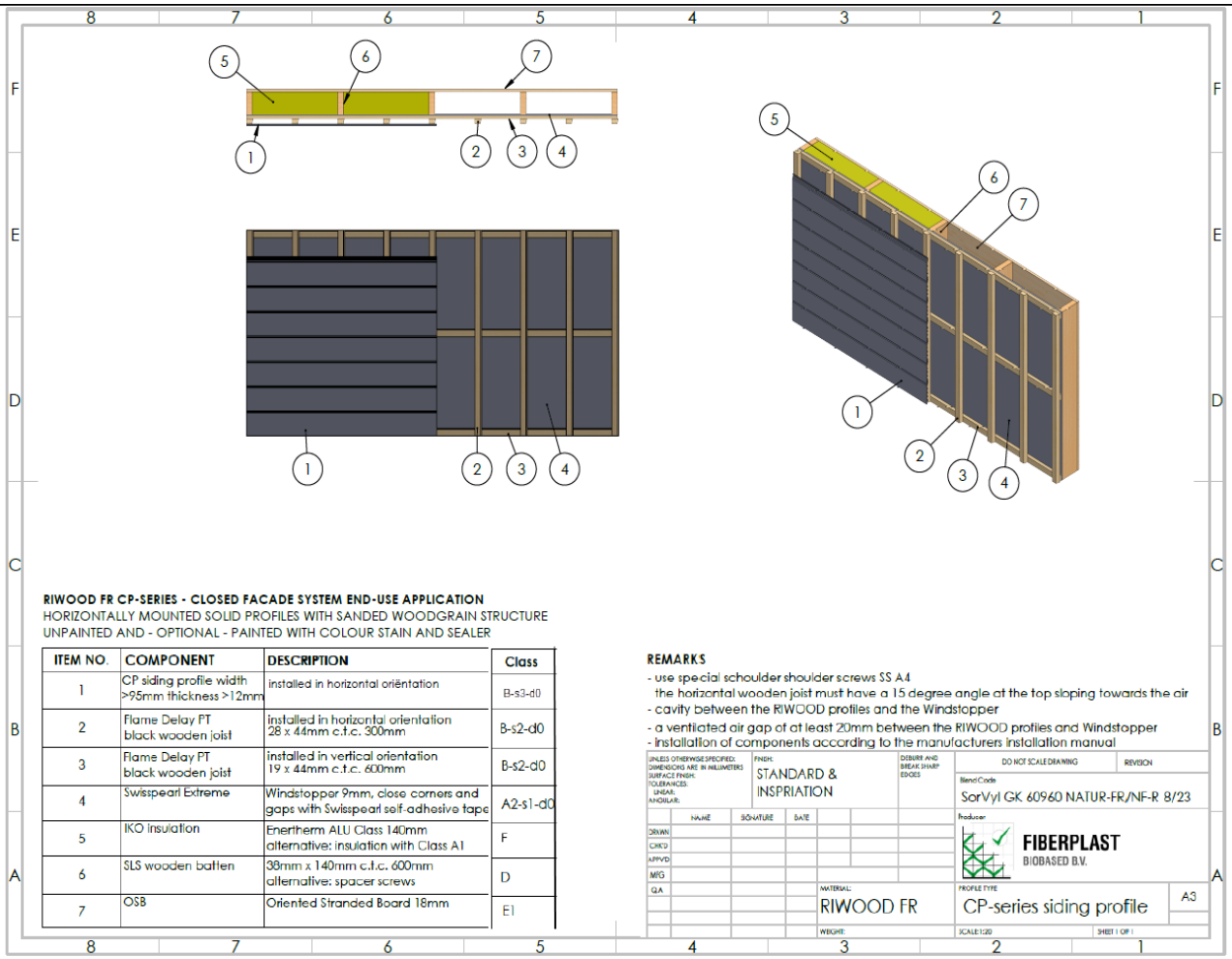
2.1. General

Closed facade system.

2.1 Product description

The product is described below.

00-611 Warszawa, ul. Filtrowa 1, tel. (22) 825 04 71, e-mail: instytut@itb.pl www.itb.pl



Description of interior strips:
Nominal thickness from 12 mm to 14 mm +/- 10 % (measured on the rib)
Nominal width minimum 105 mm (working width)
Surface structure: sanded woodgrain structure
Type of profile: siding profile
Paint consumption: 0,1 l/m^2
Varnish wear: 0,1 l/m^2
Optional coating System: color stain and sealer and painted and unpainted

3. Test reports and test results as a basis for the classification

3.1. Test reports

Laboratory	Customer	Test report nr	Test method
Fire Testing Laboratory Building Research Institute	Fiberplast Biobased B.V.	LZP05-03072/24/Z00NZP-ENG	PN-EN ISO 11925-2:2020-09
		LZP01-03072/24/Z00NZP-ENG	PN-EN 13823+A1:2022-12

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with the parameter
PN-EN ISO 11925-2:2020-09 30 s exposure surface and edge exposure	Flame propagation F_s ≤150 mm	6	(–)	Y
	Flaming droplets/particles		(–)	N
PN-EN 13823 +A1:2022-12	FIGRA $_{0,2MJ}$ [W/s]	3	67,2	(–)
	FIGRA $_{0,4MJ}$ [W/s]		66,9	(–)
	LFS < edge		(–)	T
	THR_{600s} [MJ]		6,3	(–)
	SMOGRA [m^2/s^2]		128,6	(–)
	TSP_{600s} [m^2]		1517,0	(–)
	Flaming droplets/particles		(–)	N

(–): not applicable, Y: Yes, N: No

4. Classification and the field of application

4.1. Reference of the classification

The classification has been carried out in accordance with EN 13501-1:2019-02.

4.2. Classification

The product, RIWOOD FR profiles CP series closed horizontal facade system end-use application, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s3

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:

Fire behaviour		Smoke production			Flaming droplets	
B	**-**	**s**	**3**	**,**	**d**	**0**

i.e.: B-s3,d0

Reaction to fire classification: B-s3,d0

4.3 Field of application

This classification is valid for the following end-use applications:

- This classification is RIWOOD FR CP series closed horizontal façade system mounted in a system end-use application wall coverings described in section 2.

5. Limitations

This classification will be valid until:

- The test method remains unchanged,
- Product standard or technical assessment remains unchanged,
- Constructional or material modifications do not exceed the limits of the field of application defined in 4.3.

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This classification document does not represent a technical assessment or certification of the product.

Classification	Name	Date	Signature
Prepared by	Łukasz Jarochowicz	19.02.2025	e-signature
Verified by:	Bartłomiej K. Papis, PhD. Eng.	19.02.2025	e-signature

Head of Fire Research Department
Bartłomiej K. Papis, PhD. Eng.
e-signature