Instytut Techniki Budowlanej
Scientific Research I Development I Accredited Laboratory Complex I
Notified Body No. 1488 | EOTA Member I Certified management systems ISO 9001, ISO 27001

CLASSIFICATION IN TERMS OF REACTION TO FIRE acc. to PN-EN 13501-1 :2019-02

Contract Number: 02452/21/ZOONZP

Ordering Party:	Croswood Sp. z o.o. Sp. k. ul. Lipnowska 21-23 87-100 Toruń
Elaborated by:	Zakład Badań Ogniowych Instytutu Techniki Budowlanej ul. Filtrowa 1 00-611 Warszawa
Product Name:	Facade profile ground CP system
Classification report no:	02452/21/ZOONZP
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1. Introduction

This classification report specifies the classification given to CP system ground façade profiles in accordance with the procedures given in PN-EN 13501-1 :2019-02.

2. Detailed information about the product being classified (evaluated)

2.1 General provisions

Facade profile ground CP system.

Description of the product

The product is described below.

Facade profile ground CP system.
Composite, polymeric material with rice husk (silica) filling,
- material version: Flame retardant.
- FVG type paint consumption: 100 ml/m^2
- RFS varnish consumption: 100 g/m^2

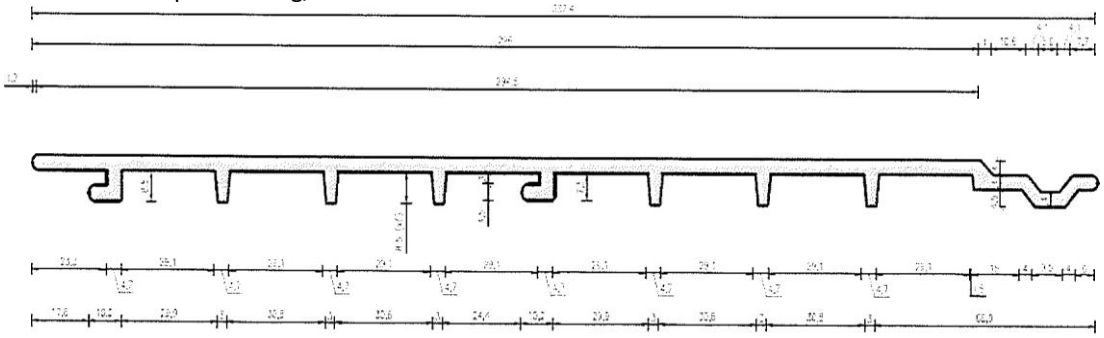

Fig. 1 Facade profile ground CP280S system.

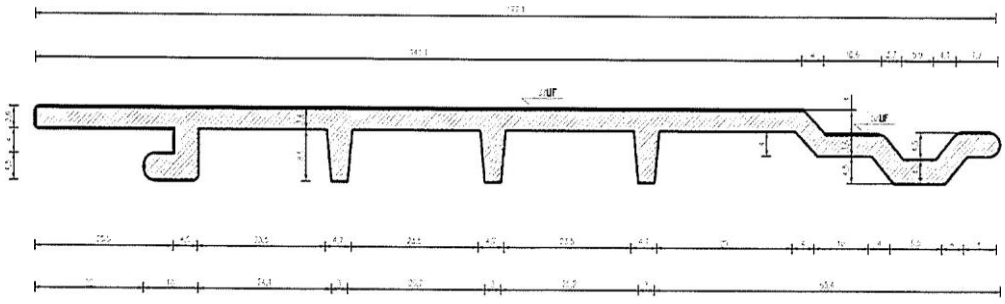

Fig.2 Facade profile ground of CPI 40S system.

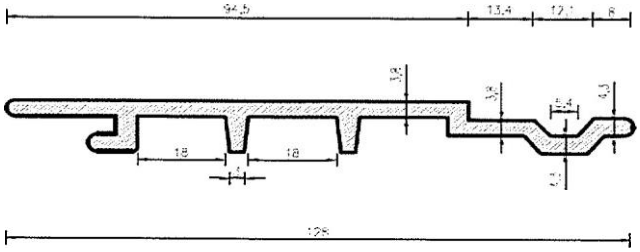

Fig.3 Facade profile ground of CP95S system.

The manufacturer of the profiles is Croswood Sp. z o.o. Sp. k.

3. Test reports and test results that form the basis for classification

3.1 Test reports

Lab name	Ordering Party's name	Test Report No.	Method of testing
Fire Test Laboratory	Croswood Sp. z o.o. Sp. k.	LZP02-02452/21/ZOONZP	PN-EN ISO 1 1925-2:2020-09
		LZP01-02452/21/ZOONZP	PN-EN 13823+A1 :2014

3.2 **Test results**

Method of testing	Parameter	Number of tests	Result	
			Continuous parameter - mean value (m)	Compliance with the parameter
PN-EN ISO 11925-2:2010 Surface and edge flame effects 30s exposure	Flame spread F <=150 mm	6	(-)	T
	Flaming drops/particles		(-)	N
PN-EN 13823+A1 :2014	FIGRA o,2MJ	3	49,5	(-)
	FIGRA o,4MJ		49,5	(-)
	LFS < edge		(-)	T
			5,6	(-)
	SMOGRA [m /s]		95,6	(-)
	TSP600s [^{m}]		1155,6	(-)
	Flaming drops/particles		(-)	N
(-): not applicable T: YES N: NO				

4 **Classification and its scope**

4.1 **Establishing the classification**

The classification has been determined in accordance with PN-EN 13501-1:2019-02.

4.2 **Classification**

The CP system ground façade profile described in Section 2 of this classification is rated for reaction to fire:

B

Due to the emission of smoke, the product has been given an additional classification:

s3

Due to the presence of flaming droplets/particles, the product has been given an additional classification:

d0

The format of the fire reaction classification for construction products, except flooring and linear products for thermal insulation of ducts, is as follows:

Fire properties		Smoke emission			Flaming drops	
B	**-**	**s**	**3**		**d**	**0**

Namely: **B-s3,dO**

Classification for reaction to fire: B-s3,dO

This classification report is valid for end use according to technical conditions to be met by buildings and their location, and as for the product "non-flammable, non-drip" according to Regulation of the Minister of Infrastructure of 12 April 2002. (Journal of Laws No. 75 of 15 June 2002, item 690, as amended) and as for the product not spreading fire inside buildings. At the same time, the product is rated as not falling off under the influence of fire.

4.3 **Scope of application**

This classification is valid for the following parameters defining the product:

The CP system ground façade profile described in Section 2 of this classification. Facade ground profile of CP system, mechanically fixed directly to the substrate of at least A2-s1,d0 reaction to fire class acc. to PN-EN 13501-1 or to the plasterboard.

5 **Limitations**

The assigned classification remains valid as long as: ▬ the test method is not changed, ▬ the product standard or the national technical assessment of the product is not changed, ▬ construction and material changes do not go beyond the limits of the application area specified in p. 4.3.

This classification report has been issued in 3 copies (2 for the Ordering Party, 1 in the

Certified copies may be issued by the ITB Fire Testing Department only at the request of the Report Owner.

This classification document is not an endorsement or certification of the product.

Signed by

Łukasz Jachorowicz

Podpisał

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Approved by

Head of Fire Tests Department

Zaakceptował

Kierownik Zakładu Badań Ogniowych

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