

**REACTION TO FIRE CLASSIFICATION REPORT  
IN ACCORDANCE WITH PN-EN 13501-1:2019-02**

Contract no. 02742/24/Z00NZZP

<b>Sponsor:</b>	<b>WOODPLAST Sp. z o.o.</b> ul. Lwowska 38 40-389 Katowice
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<b>Product name:</b>	<b>The terrace system Bruggan Multicolor</b>
<b>Classification report no.:</b>	<b>02742/24/Z00NZZP-ENG</b> (English version of classification 00799/23/Z00NZZP)
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**1. Introduction**

This classification report defines the classification assigned to terrace system Bruggan Multicolor in accordance with the procedures given in PN-EN 13501-1:2019-02.

**2. Details of classified product****2.1 General**

The product is defined as terrace system, and floor covering system used inside the buildings.

**2.2 Product description**

**2.3 The product, is described below.**

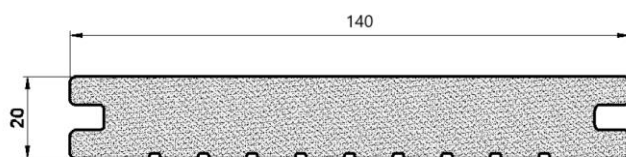
Terrace system Bruggan Multicolor consisting of solid composite board, j aluminum joists and additional elements.

Board composition %:

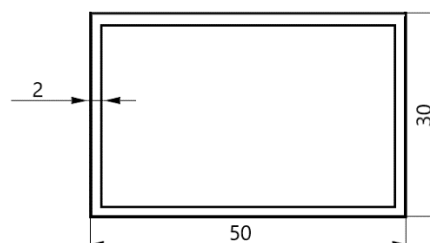
- 45% wood flour,
- 15% mineral filler,
- 25% polyethylene,
- 14% functional additives,
- 1% iron oxide pigment.

Thickness of plank: 20 mm

Aluminum joist dimensions: 30 x 50 mm.



Drawing of plank



Drawing of an aluminum joist

### 3. Test reports & test results in support of classification

#### 3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Testing Laboratory of ITB	WOODPLAST Sp. z o.o.	LZP02-00799/23/Z00NKP	PN-EN ISO 11925-2:2020-09
		LZP01-00799/23/Z00NKP	PN-EN ISO 9239-1:2010

#### 3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN ISO 11925-2:2010 Exposure 15 s	$F_s \leq 150$ mm	6	(-)	Y
PN-EN ISO 9239-1:2010	Critical heat flux (kW/m <sup>2</sup> )	3	11,1	(-)
	Smoke production (%·min)		4,5	(-)

(-): do not concern  
Y: Yes  
N: No

### 4 Classification and field of application

#### 4.1 Reference of classification

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

#### 4.2 Classification

Terrace system Bruggan Multicolor, in relation to its reaction to fire behaviour are classified:

**B<sub>fl</sub>**

The additional classification in relation to smoke production is:

**s1**

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production	
<b>B<sub>fl</sub></b>	-	<b>s</b>	<b>1</b>

i.e.: **B<sub>fl</sub>-s1**

## Reaction to fire classification: B<sub>fl</sub>-s1

### 4.3 Field of application

This classification is valid for the following product parameters:

- Product described in point 2 this classification report
- Terrace system Bruggan Multicolor.used on substrates with minimum reaction to fire class A2-s1,d0.

### 5 Limitation

The classification given above remains valid as long as:

- test method remains unchanged,
- product standard or technical approval remains unchanged,
- constructional or material modifications do not exceed limits of the field of application defined in 4.3.

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