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Instytut Techniki Budowlanej [Construction Technology Institute]

Group of Testing Laboratories

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## TEST REPORT

LZP01-01056/25/Z00NZP

Contractor:

Green For Fun

Os. Pod Lipami 104/22

61-640 Poznań

Product name:

Eco-Facade

(provided by the Contractor)

Date of issue:

02 April 2025

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Fire Testing Laboratory (LZP)

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### 1. Information on testing

Date of start of testing: 25 March 2025

Date of completion of testing: 25 March 2025

Place where tests were performed:

In LZP laboratory located at: ul. Przemysłowa 2, 26-670 Pionki

### 2. Product

#### 2.1 Information provided by the Contractor

Eco-Facade:

The dimensions of a single module are: 250 mm x 500 mm.

Module made of austenitic galvanized sheet metal with a thickness of 0,5 mm



Rock wool infill class A1 according to PN-EN 13501-1.

The plant is Pachysandra Terminalis in planting density of 64 pieces /m2.

**Declared scope of use:** External cladding of ventilated facades

### 3. Subject of the report, sample

#### 3.1 Information provided by the Contractor

**Sample origin:**

Samples provided by the manufacturer.

#### 3.2 Information obtained by visual inspection in the laboratory

**Acceptance of test object in the laboratory:**

**Date:** 21 March 2025

**Acceptance report:** LZP-01056/25/Z00NZP

**Condition of test subject:**

Samples delivered in condition and quantity suitable for testing

**Description of the test subject:**

Thickness of the sample: 11cm

The dimensions of a single module are: 250 mm x 500 mm.

Metal sheet thickness from 0.5 mm.

**Storage of the test subject:**

The samples were conditioned from 21 March 2025 to 25 March 2025

Conditions: temperature from 23 +/- 2 °C, relative humidity 50 +/- 5%

Seasoning method: until a constant weight is reached

### 4. Test results

#### 4.1 Reaction to fire test

##### 4.1.1 Testing method

PN-EN ISO 11925-2:2020-09. Reaction to fire test - Flammability of materials subjected to direct flame.

Part 2: Test with a single flame

The test procedure, environmental conditions and accuracy of the measuring instruments used comply with the requirements of the above-mentioned standard. The sample was cut from a window frame.

##### 4.1.2 Test conditions

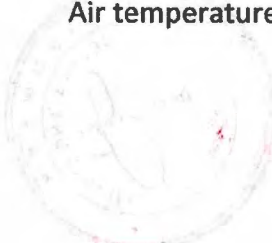
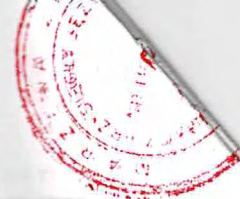
1. Flame impact: surface, edge

2. Handle used: standard

3. Exposure time used: 30s

##### 4.1.3 Test room conditions

Air temperature: 22,5 °C, relative humidity: 38,3%







#### 4.1.4 Results

Table 1 Test results

#### TEST RESULTS

Characteristics tested	Flame impact on the front side					
	Surface flame impact			Edge flame impact		
	1	2	3	1	2	3
Inflammation, +/-	+	+	+	+	+	+
Time to reach 150 mm limit, [s]	-	-	-	-	-	-
Filter paper inflammation, +/-	-	-	-	-	-	-

#### 5. Measurement uncertainty

Qualitative tests involving observation of sample behaviour - not subject to uncertainty assessment.

#### 6. Evaluation of compliance of test results with criteria

The parties have agreed that the rule of simple acceptance is applied when assessing the compliance of results with the criteria specified in PN-EN 13501-1, i.e. the product is considered compliant with regard to the result if the result, without taking into account the variability resulting from measurement uncertainty, meets the requirement. This is related to the risk of misjudgement due to the assessment not taking into account the uncertainty. The risk also arises from the fact that the laboratory does not have knowledge about the variability of the product population, but only about the tested sample.

According to the PN-EN 13501-1 provisions, the aforementioned assessment of the conformity of the results with the criteria is included in classification report number 01056/25/ZOONZP.

#### 7. Reservations

The Testing Laboratory declares that the test results refer only to the received sample. The test results refer to the behaviour of the product sample under the specified test conditions; they cannot be the sole criterion for assessing the potential fire hazard of the product used.

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The test report is not a substitute for the documents required for the marketing and release of construction products.

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## END OF REPORT

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I hereby certify that this document is a true translation of the document consisting of three pages and prepared in the Polish language. The document was submitted for translation via e-mail.

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