Instytut Techniki Budowlanej
Research and development works | Accredited Group of Laboratories |
Notified Body N° 1488 | EOTA member | Certified management systems ISO 9001, ISO 27001

CLASSIFICATION REPORT
REACTION TO FIRE
according to PN-EN 13501-1:2019-02

Contract №: 01021/22/Z00NZP

Customer:	**SALAG Sp. z o.o. Spółka komandytowa ul. Szafirowa 5 16-400 Suwałki**
Prepared by:	**Fire Research Department Building Research Institute 1 Filtrowa Str. 00-611 Warszawa**
Product name:	Composite terrace decking system Bergdeck
Classification report №:	**01021.2/22/Z00NZP-ENG** (English version of the report № 02749/16/Z00NZP)
Issue number: 1	**Copy № 1**
Date of issue:	**23.03.2022**

This classification report consists of three pages and may only be used or reproduced in its entirely.

1. Introduction

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

2. Details of classified product

2.1 General

Composite terrace decking system Bergdeck It is intended for use outside buildings, as a stand-alone platform or at the facades of buildings, installed on terraces, balconies and verandas. It can also be used for laying paths, pool edges and platforms.

2.2 Product description

The product is described below.

Composite terrace decking system Bergdeck consists of the following elements:

Name	Composition
Terrace board Bergdeck length 2,4m	Wood - wood flour derived from conifers **45%** Polymer part (PVC mix) **51,5%** Ennobling additives **3,5%**
Terrace board Bergdeck lenght 4m	
Brushed terrace board Bergdeck lenght 2,4m	
Unbrushed terrace board Bergdeck lenght 2,4m	
Terrace board Bergdeck lenght 1,4m	
A quarter round WPC lenght 2,4m	Wood- wood flour derived from conifers **45%** PVC blend **55%**
Angle WPC lenght 2,4m	
Brushed angle WPC lenght 2,4m	
Cover strip WPC lenght 2,4m	
Brushed masking strip WPC lenght 2,4m	
Joist WPC length 2,4m	Wood- wood flour derived from conifers **45%** PVC blend **55%**
Mounting clip	Black colored polyamide
Screws	Varnished stainless steel

Other parameters according to the drawings listed in the appendix to this classification.

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

3.1. Test reports

Laboratory	Customer	Test report nr	Test method
Fire Testing Laboratory Building Research Institute	SALAG Sp. z o.o. Spółka komandytowa	LZP02-02749/16/Z00NZP	PN-EN ISO 11925-2:2010
		LZP01-02749/16/Z00NZP	PN-EN ISO 9239-1:2010

3.2. Test results of sandwich panels

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with the parameter
PN-EN ISO 11925-2: 2010 15 s exposure	Flame propagation $F_s \leq 150$ mm	6	(–)	Y
PN-EN ISO 9239-1:2010	Critical flux (kW/m²)	3	8,5	(–)
	Smoke production (% • min)		268,7	(–)

(–): 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 PN-EN 13501-1:2019-02.

4.2. Classification

Composite terrace decking system Bergdeck in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

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

Fire behaviour		Smoke production	
B_{fl}	-	s	1

i.e.: B_{fl}-s1

Reaction to fire classification: B_{fl}-s1

This classification is valid for end uses according to the technical conditions to be met by buildings and their location and as for the product and as for the floor "hard-flammable" according to the Regulation of the Minister of Infrastructure of April 12, 2002 (Journal of Laws No. 75 of 15 June 2002, item 690 with later changes).

4.3 Field of application

This classification is valid for the following product parameters:
- for a product as described in point 2,
- the floor described in point 2 can be used on Euroclass substrates A1 and A2.

5. Limitations

This classification will be valid until:
- The 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.

This classification report has been issued in 3 copies. Additional approved copies can be issued by Fire Research Department – Building Research Institute under the request of the report's owner only.

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

Signed

Tomasz Gwiżdż Eng.

Approved

HEAD
of Fire Research Department
Bartłomiej Papis, PhD Eng.