Instytut Techniki Budowlanej
razem ku przyszłości

Jednostka notyfikowana nr 1488 | Członek EOTA | Certyfikaty akredytacji PCA nr: AB 023
ZAKŁAD BADAŃ OGNIOWYCH | 02-656 Warszawa | ul. Ksawerów 21 | tel. 22 853 34 27 | fax 22 847 23 11 | fire@itb.pl | www.itb.pl

REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

Contract no. 01741/15/R18NP

Sponsor:	**GAMRAT Spółka Akcyjna** **ul. Mickiewicza 108** **38-200 Jasło**
Prepared by:	**Zakład Badań Ogniowych** **Instytutu Techniki Budowlanej** **ul. Filtrowa 1** **00-611 Warszawa**
Product name:	**System of terrace WPC profiles**
Classification report No.:	**01741/15/R18NPE** (English version of classification report 01741/15/R18NP)
Issue number: 1	**Copy no.2**
Date of issue:	**2015.08.18**

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

1. Introduction

This classification report defines the classification assigned to system of terrace WPC profiles in accordance with the procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1 General

The product is defined as system of profiles used to prepare floors outside the building e.g. on terrace, verandas, platforms etc.

2.2 Product description

The product, is described below.

System of WPC terrace profiles. System consist symmetrical terrace board and mounting profiles from WPC composite. Figures of terrace board and profiles are given in appendix to classification report.

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	GAMRAT Spółka Akcyjna	LP02-01741/15/R18NP	PN-EN ISO 11925-2:2010
		LP01-01741/15/R18NP	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 ≤150 mm	6	(–)	Y
PN-EN ISO 9239-1:2010	Critical heat flux (kW/m^2)	3	9,1	(–)
	Smoke production (% • min)		229,3	(–)

(–): 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+A1:2010.

4.2 Classification

System of WPC terrace profiles, in relation to its reaction to fire behaviour are classified:

B_{fl}

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_{fl}	**-**	**s**	**1**

i.e.: B_{fl}-s1

Reaction to fire classification: B_{fl}-s1

4.3 Field of application

This classification is valid for the following product parameters:

- Product described in point 2 this classification report
- Product can be used with substrates with reaction to fire classification A1 or A2.

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.

This classification report has been issued in three copies (2 for client, 1 for Fire Research Department of ITB). Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

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

SIGNED

Head of Fire Development
and Material Testing Division

Bartłomiej K. Papis, Ph.D. Eng.

APPROVED

HEAD
Fire Research Department

Paweł Sulik, PhD. Civil Eng.

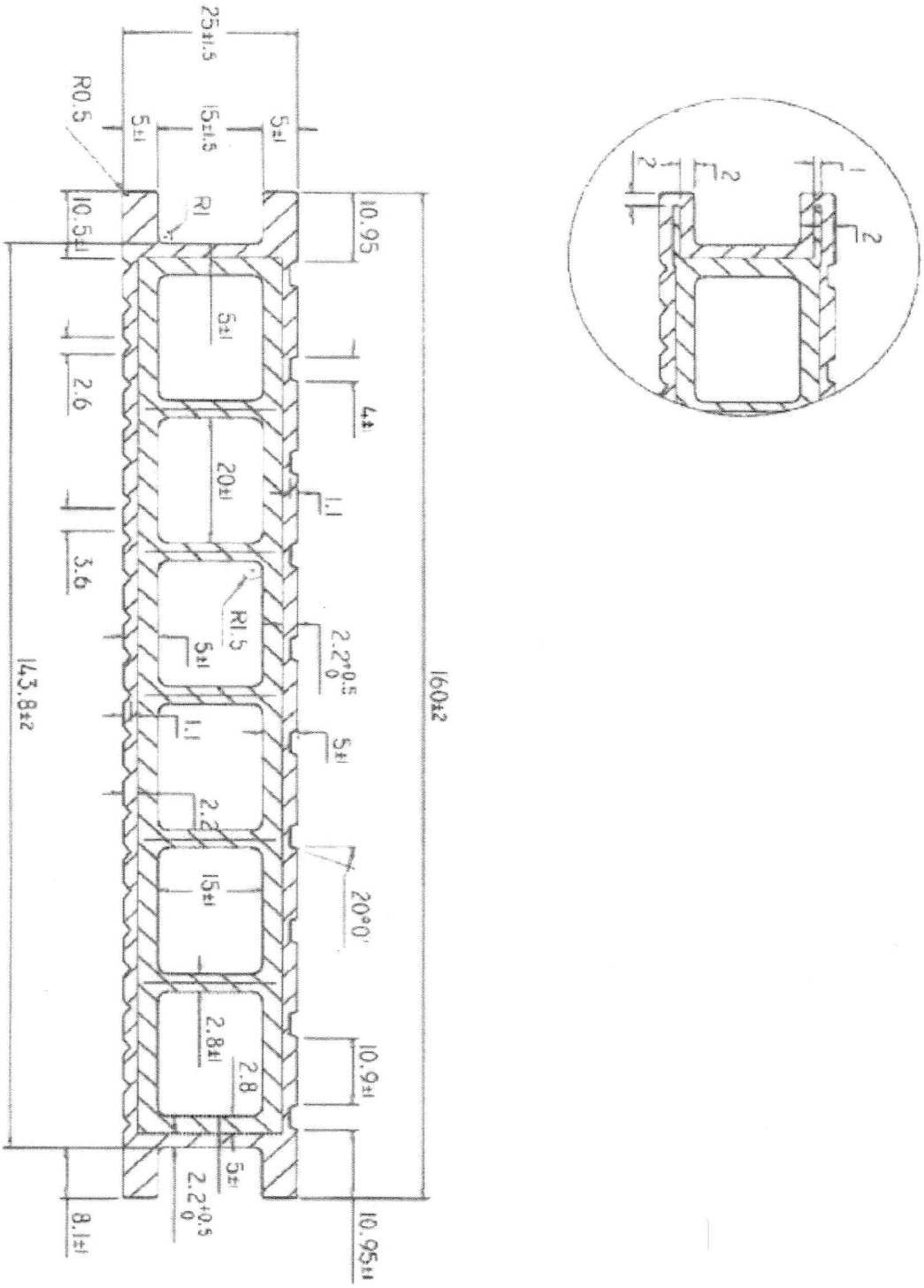

Fig.1 The terrace board.

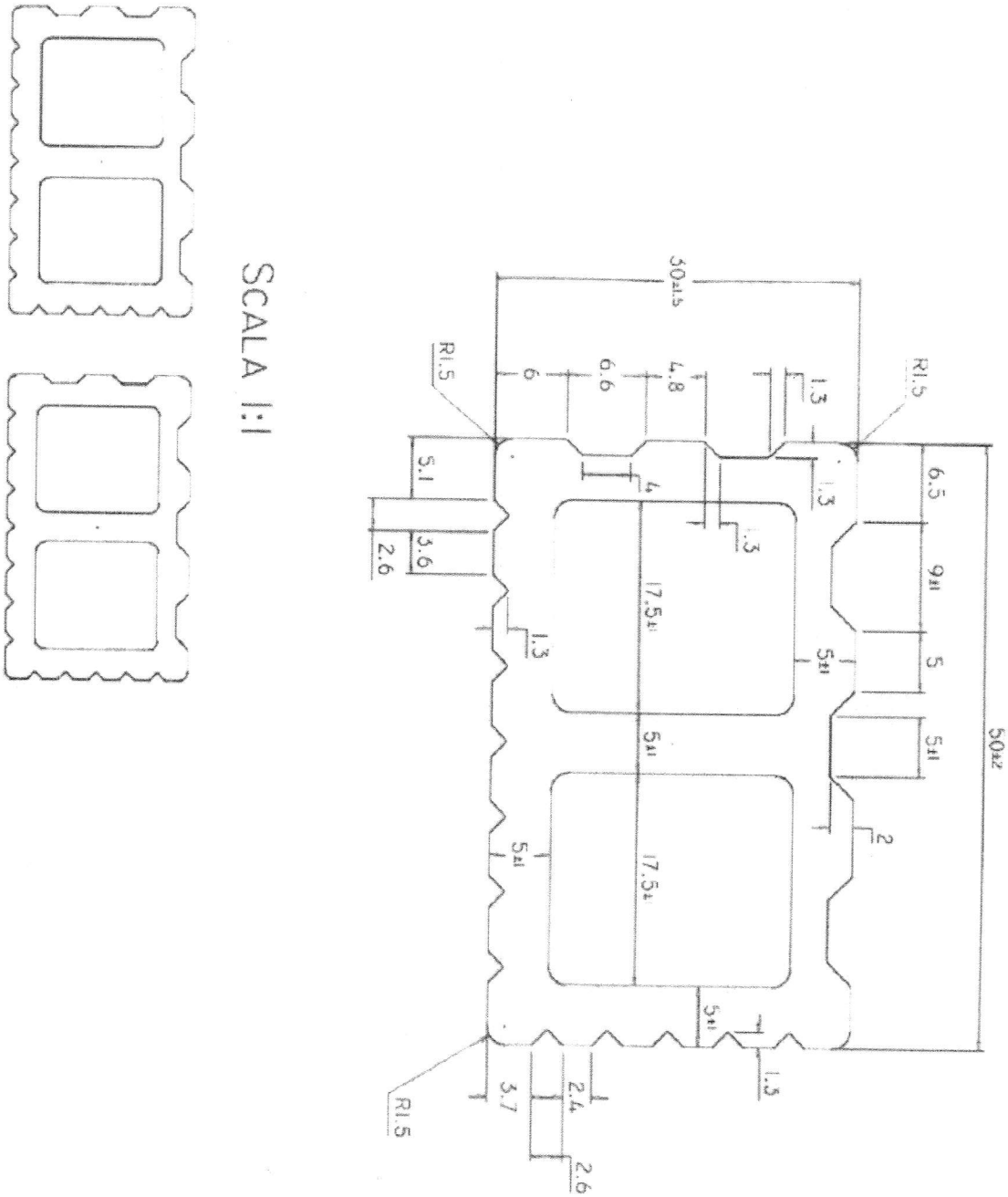

Fig.2 The mounting profiles.