



CLASSIFICATION FOR REACTION TO FIRE

according to EN 13501-1:2019-02

Contract number: 00953/23/Z00NZP

Principal:	Winfloor Sp. z o.o. ul. Toruńska 12a 26-600 Radom
Prepared by:	Fire Testing Department of Building Research Institute ul. Filtrowa 1 00-611 Warsaw
Product name:	Set of terrace boards and complementary products from the WINFLOOR system
Classification report no.:	00953/23/Z00NZP
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This classification report consists of five pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report specifies the classification of a set of terrace boards and supplementary products from the WINFLOOR system according to the procedures specified in EN 13501-1:2019-02.

2. Details of the classified product

A product used in general construction.

The product is described below.

The set includes products made of WPC wood-polymer composite. Terrace boards

with cross-sectional dimensions: 135 x 20 mm, 110 x 20 mm, 145 x 24 mm, 160 x 28 mm.

Joists with cross-sectional dimensions: 35 x 40 mm, 20 x 40 mm.

Skirting boards with cross-sectional dimensions: 18 x 70 mm, 50 x 50 mm.

OF THE BASIC PROFILES OF WINFLOOR TERRACE BOARDS AND PROFILES

Technical drawing of a mechanical part with dimensions. The overall length is 145. The overall width is 23. The drawing shows a series of rectangular and circular features with various radii and dimensions. Key dimensions include: 12, 4,5, 5,5, 1,5, 5, 3, 18, 18, 18,5, 0,8, 7,7, 7,6, 7,7, 2,5, 1,5, 3, 1, 5,5, 12, 4, 2,5, 1,5, 6, 2,5.

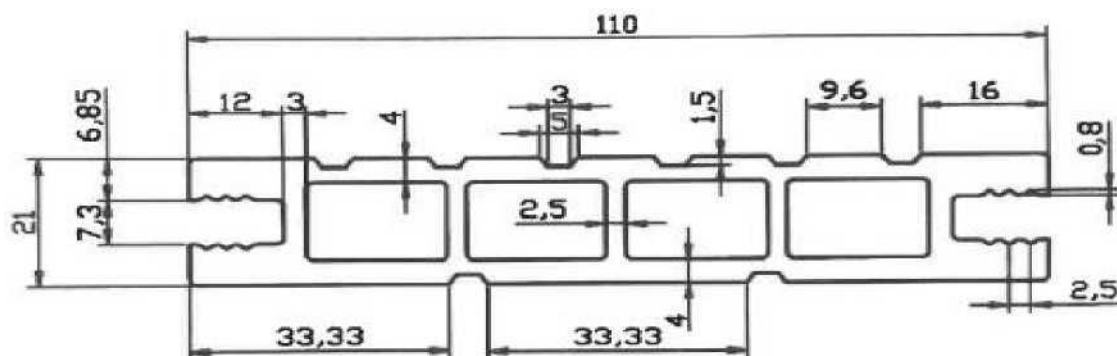
Technical drawing of a mechanical part with the following dimensions:

- Overall length: 160
- Overall width: 26,5
- Top edge dimensions (from left): 12, 3,5, 3, 2, 3, 15, 20
- Bottom edge dimensions (from left): 7,2, 9,6, 2,5, 17,5, 19,42, 4, 2,5
- Internal features: A central hole with diameter 3, a fillet with radius R1,5, and a small hole with diameter 2,5.

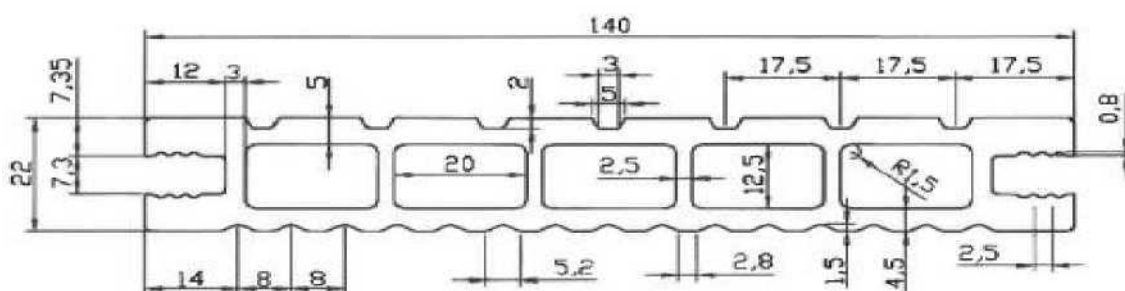
Technical drawing of a mechanical part with dimensions. The drawing shows a side view of a component with a total width of 135. The top surface has a series of steps and a central slot. The bottom surface has a series of steps and a central slot. The dimensions are as follows:

- Overall width: 135
- Top surface dimensions (from left to right): 12, 3, 5, 2, 3, 5, 16,5, 16,5, 18.
- Bottom surface dimensions (from left to right): 15,5, 8, 8, 5,2, 2,8, 1,5, 4,5, 2,5.
- Central slot width: 19.
- Slot depth: 2,5.
- Slot width: 11,5.
- Left side dimensions: 7,3, 6,85, 21.
- Right side dimension: 0,8.

WPC STANDARD BOARD 110/21



WPC STANDARD BOARD 140/22



3 Test reports and test results used as a basis for classification

3.1 Test reports

Name of laboratory	Principal's name	Survey report no.	Test method
ITB Fire Testing Laboratory	WinDoor Paweł Redestowicz	LZP02-02603/22/Z00NZP	PN-EN ISO 11925-2:2020-09
		LZP01-02603/22/Z00NZP	PN-EN ISO 9239-1:2010

3.2 Findings

Test method	Parameter	Number of tests	Results	
			Continuous parameter - mean value (m)	Compliance with the parameter
EN ISO 119252:2020-09 Exposure 15 s	$F_s \leq 150$ mm	6	(-)	T
PN-EN ISO 9239-1:2010	Critical flux (kW/m ²)	3	8,0	(-)
	Smoke emission (% - min)	3	816,6	(-)

(-): not applicable

Y: YES N: NO

4 Classification and its scope

4.1 Classification reference

Classification has been determined in accordance with EN 13501-1:2019-02.

4.2 Classification

In terms of reaction to fire, the set of terrace boards and complementary products of the WINFLOOR system was classified as:

B_{fl}

Due to the emission of smoke, the product has been additionally classified as:

s2

The format of the fire reaction classification for floors is as follows:

Fire properties		Smoke emission	
B_{fl}	-	s	2

i.e: **B_{fl}-s2**

Classification in terms of reaction to fire: **B_{fl}-s2**

This classification is valid for end-use applications in accordance with the technical conditions to be met by buildings and their location, and as for "flame-retardant" flooring according to the decree of the Minister of Infrastructure of 12 April 2002 (Journal of Laws No. 75, item 690, as amended).

4.3 Scope of application

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

- product description according to item 2,
- the set of terrace boards and supplementary products of the WINFLOOR system can be used on subfloors of Euroclasses A1 and A2.

5 Limitations

The assigned classification remains valid as long as:

- the test method is not changed,
- the product standard or technical approval is not changed,
- structural and material changes do not exceed the limits of the area of application defined in item 4.3.

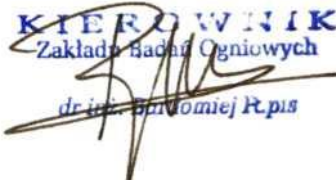
This report has been issued in electronic form, with qualified electronic signatures of the responsible persons. The printout of this report is not an original document.

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

Signed by:

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