CLASSIFICATION REPORT REGARDING ROOF RESISTANCE TO EXTERNAL FIRE EXPOSURE FOR THE SELECTED OPTION

GAMRAT WPC Composite Decking Profile System

01772/25/Z00NZP (extension of 02070/24/Z00NZP)

for

OWNER OF THE CLASSIFICATION REPORT

Gamrat WPC Sp. z o.o.
ul. Mickiewicza 108
38-200 Jasło

Agreement No.: 01772/25/Z00NZP

1 Introduction

This classification report provides the classification for the GAMRAT WPC Composite Decking Profile System in accordance with the procedure specified in PN-EN 13501-5:2016.

2 Description of the roof/roof covering

GAMRAT WPC Decking Profile System, manufactured by Gamrat WPC Sp. z o.o. The GAMRAT WPC decking board is made from a composite of wood flour, polyvinyl chloride (PVC), and modifying additives. 160×25 double-sided grooved, 140×25 single-sided grooved, 140×25 double-sided grooved, 185×20 single-sided grooved, 140×25 SLIM single-sided grooved Composite finishing strip made of a mixture of wood flour, polyvinyl chloride (PVC), and modifying additives. Aluminum finishing strip, aluminum joist. Steel fastening elements: starter clip, mounting clip, mounting screw Adjustable Plastic Support with Adapters – Premium Line.

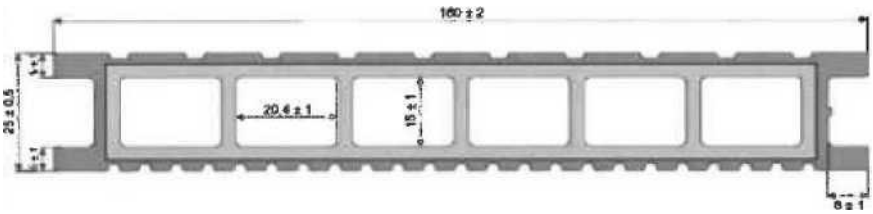

Fig. 1. GAMRAT WPC Decking Board 160x25, Double-Sided Grooved

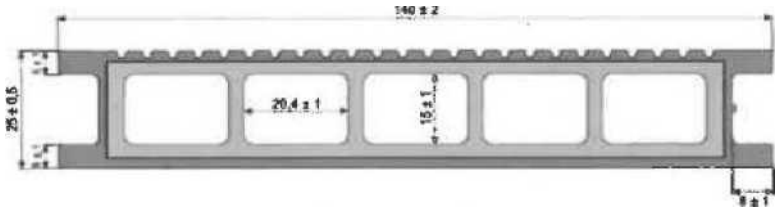

Fig. 2. GAMRAT WPC Decking Board 140×25 mm, single-sided grooved

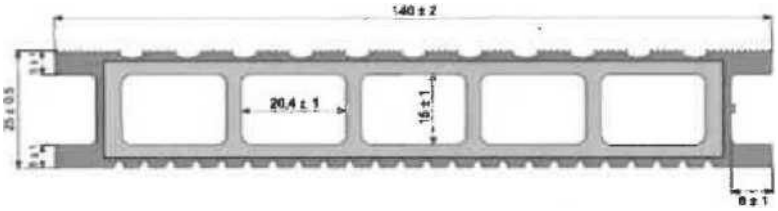

Fig. 3. GAMRAT WPC Decking Board 140×25 mm, double-sided grooved

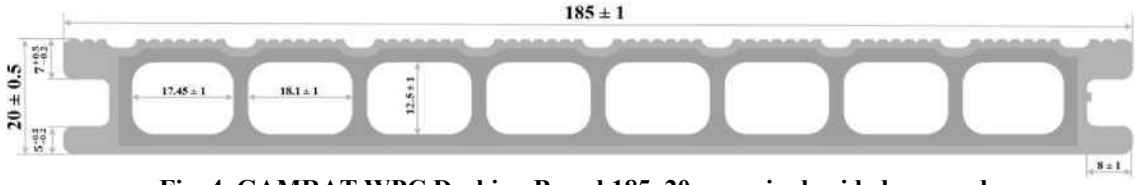

Fig. 4. GAMRAT WPC Decking Board 185x20 mm, single-sided grooved

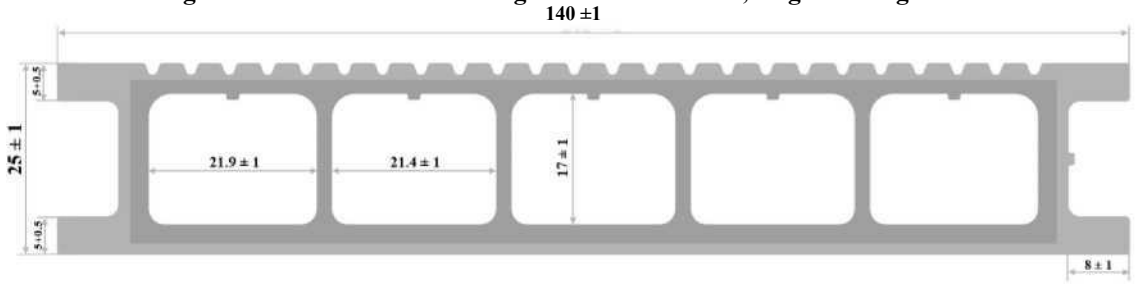

Fig. 5. GAMRAT WPC Decking Board 140×25 mm SLIM, single-sided grooved

Cross-sections of the GAMRAT WPC Composite Board (drawings provided by the Customer)

3. Test reports and results forming the basis for classification

3.1 Test reports

Name of the laboratory	Name of the Customer	Test report number	Test method
Fire Testing Laboratory of ITB	Gamrat WPC Sp. z o.o.	LZP01-02148/19/Z00NZP	CEN/TS 1187:2012 (Test 1)

3.2 Test results for the GAMRAT WPC Composite Decking Profile System installed at an angle 15°

Parameter	Criteria	Sample test results				Compliance
		1	2	3	4	
Internal fire spread upwards	< 0.700 m	0.0	0.0	0.0	0.0	Yes
External fire spread upwards	< 0.700 m	0.025	0.020	0.080	0.075	Yes
Internal fire spread downwards	< 0.600 m	0.0	0.0	0.0	0.0	Yes
External fire spread downwards	< 0.600 m	0.010	0.010	0.010	0.010	Yes
Maximum internal burnt length	< 0.800 m	0.0	0.0	0.0	0.0	Yes
Maximum external burnt length	< 0.800 m	0.025	0.020	0.080	0.075	Yes
Burning droplets/particles from the exposed side	Not	None	None	None	None	Yes
Burning droplets/particles from the underside	Not	None	None	None	None	Yes
Single openings	< 25 mm^2	None	None	None	None	Yes
Sum of all openings	< 4500 mm^2	0.0	0.0	0.0	0.0	Yes
Lateral fire spread	To the edge	None	None	None	None	Yes
Smouldering combustion inside the material	Not	None	None	None	None	Yes
Fire spread radius (flat roofs)	< 0.200 m	-	-	-	-	*not applicable*

Test conditions: air temperature: 23.5°C

4. Classification and scope of application

4.1 References

The classification has been determined in accordance with PN-EN 13501-5:2016.

4.2 Classification

The GAMRAT WPC Composite Decking Profile System described in Section 2 of this classification report has been classified with regard to resistance to external fire exposure as follows:

BROOF (t1).

This classification applies to end-use applications in accordance with the technical requirements for buildings and their location, and corresponds to a “non fire-spreading” element as defined in the Regulation of the Minister of Infrastructure of 12 April 2002. (Journal of Laws No. 75 of 15 June 2002, item 690, as amended).

4.3 Scope of application

- The GAMRAT WPC Composite Decking Profile System may be installed on substrates with a reaction to fire class A1 or A2 in accordance with PN-EN 13501-1:2019.

- The GAMRAT WPC Composite Decking Profile System may be used above a roof system classified as **BROOF (t1)** in accordance with PN-EN 13501-5:2016.

- of the roofs with a slope of up to 20°.

5 Limitations

5.1 Validity

The classification is valid until **31 August 2026 (extension)**, provided that the composition and manufacturing technology remain unchanged.

5.2 Reservations

This classification report has been issued in electronic form, with qualified electronic signatures of the responsible persons. A document signed with a qualified electronic signature whose certificate has already expired remains valid, provided that the certificate was valid on the date the document was signed. Certified copies may be issued by the Fire Testing Department of ITB only upon the request of the Report Owner.

5.3 Warning

This classification document does not constitute a technical approval or a certificate of conformity for the product.

Classification	Name and surname	Date	Signature
Prepared by	Tomasz Gwiżdż Eng.	11/07/2025	Document signed electronically
Verified by	Bartłomiej K. Papis Msc. Dr. Eng.	11/07/2025	Document signed electronically

Head of the Fire Research Department

Bartłomiej K. Papis Msc. Dr. Eng.

Document signed electronically