



CLASSIFICATION REPORT FOR RESISTANCE OF ROOF TO THE EFFECTS OF EXTERNAL FIRE FOR THE PRODUCT

WPC GAMRAT composite decking profile system with 160x20 solid board

03100/23/Z00NXP (extension 03257/20/Z00NXP)

for

OWNER OF CLASSIFICATION REPORT

Gamrat WPC Sp. z o.o.

ul. Mickiewicza 108

38-200 Jasło

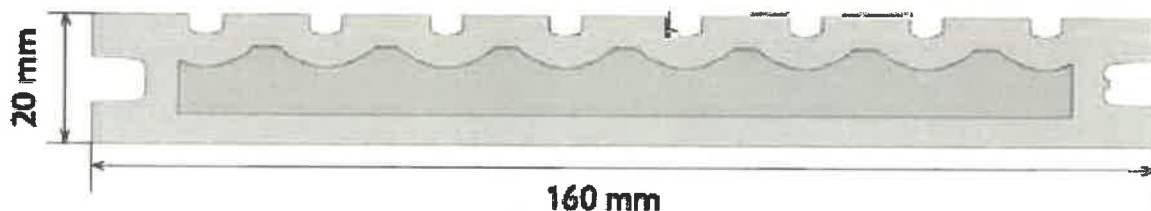
Contract No.: 03100/23/Z00NXP

1 Introduction

This classification report gives the classification for the WPC GAMRAT Composite Decking Profile System with 160x20 solid board according to the procedure given in PN-EN 13501-5:2016.

2 Roof/roofing description

WPC GAMRAT composite decking profile system with 160x20 solid board by Gamrat WPC Sp. z o.o. WPC GAMRAT decking board made from a composite of wood flour, polyvinyl chloride (PVC) and modifying additives: 160x20 fluted on one side. Aluminum joist. Steel hardware: starter clip, mounting clip, mounting screw.



Cross-section of WPC GAMRAT solid decking board

3 Test reports and results that form the basis for classification

3.1 Test reports

Name of laboratory	Principal's name	Test report number	Test method
BRI Fire Testing Laboratory	Gamrat WPC Sp. z o.o.	LZP01-03257/20/Z00NXP	CEN/TS 1187:2012 (test 1)

Prezes Zarządu

Mark Sepiół

3.2 Test results for WPC GAMRAT composite decking profile system with 160x20 solid board set at an angle of 15°

Parameter	Criteria	Sample testing results				Compliance
		1	2	3	4	
Internal upward flame spread	< 0.700 m	0.0	0.0	0.0	0.0	Yes
External upward flame spread	< 0.700 m	0.0	0.0	0.0	0.0	Yes
Internal downward flame spread	< 0.600 m	0.0	0.0	0.0	0.0	Yes
External downward flame spread	< 0.600 m	0.0	0.0	0.0	0.0	Yes
Maximum internal burned length	< 0.800 m	0.0	0.0	0.0	0.0	Yes
Maximum external burned length	< 0.800 m	0.0	0.0	0.0	0.0	Yes
Burning drops/debris from the exposed side	No	None	None	None	None	Yes
Burning drops/debris from the underside	No	None	None	None	None	Yes
Single holes	< 25 mm ²	None	None	None	None	Yes
Total of all openings	< 4500 mm ²	0.0	0.0	0.0	0.0	Yes
Lateral flame spread	To the edge*	None	None	None	None	Yes
Internal flameless burning	No	None	None	None	None	Yes
Radius of flame spread (flat roofs)	< 0.200 m	-	-	-	-	not applicable

Ambient conditions: air temperature: 19.5°C

4. Classification and scope of application

4.1 References

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

4.2 Classification

The WPC GAMRAT composite decking profile system with 160x20 solid board described in Section 2 of this classification report is classified in terms of external fire resistance as follows:

BROOF (t1).

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 a "non-fire-spreading" element according to Regulation of the Minister of Infrastructure of April 12, 2002 (Journal of Laws No. 75 of June 15, 2002, item 690 as amended).

4.3 Scope of application

- The WPC GAMRAT composite decking profile system with 160x20 solid board can be used on Euroclass A1 or A2 sleepers.
- The WPC GAMRAT composite decking profile system with 160x20 solid board can be used over a roof system with fire rating according to PN-EN 13501-5:2016 **B_{ROOF} (t1)**.
- roofs with a slope of up to 20°.

5 Limitations

5.1 Validity

The classification is valid until **31-01-2025** (extension), provided that the composition and production technology are maintained without change.




5.2 Disclaimers

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

The classification may be reproduced only by the Principal in its entirety with its appendices without comments, abbreviations or changes. Certified copies may be issued by the Fire Testing Department of BRI only at the request of the Principal.

5.3 Notice

This classification document does not constitute an approval or certification.

	Signed by	Approved by
Prepared by:	Tomasz Gwiżdż; Building Research Institute Electronically signed by Tomasz Gwiżdż; Building Research Institute Date: 2024.01.10 11:21:17 +01'00'	 Bartłomiej Papis; BRI 2024.01.11 10:13:29+01'00'
	Digital signature	Digital signature
Reviewed by:	 Bartłomiej Papis; BRI 2024.01.11 10:12:58+01'00'	Prezes Zarządu  Marek Sepiół
	Digital signature	