



**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

02950/25/Z00NXP (extension 00603/25/Z00NXP)

for

OWNER OF CLASSIFICATION REPORT

Gamrat WPC Sp. z o.o.

ul. Mickiewicza 108

38-200 Jasło

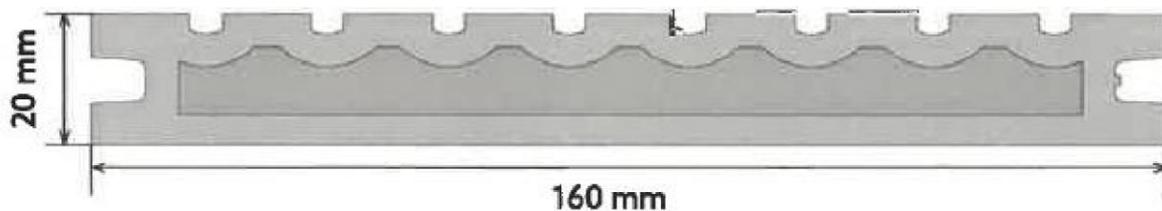
Contract No.: 02950/25/Z00NXP

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) |

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 **BROOF (t1)**.
- roofs with a slope of up to 20°.

5 Limitations

5.1 Validity

The classification is valid until **31-01-2027** (extension), provided that the composition and production technology are maintained without change.

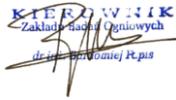
5.2 Disclaimers

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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' |
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