

## DECLARATION OF PERFORMANCE

No termPIR/MAX19/AL/2



**Unique identification code of the product type:** termPIR MAX19 AL |<sub>dN</sub>[80-220] | type of edges [FIT ,LAP, TAG]

**Manufacturer:** Gór-Stal sp. z o.o.; ul. Przemysłowa 11; 38-300 Gorlice, Poland / Place of manufacture: Gór-Stal; ul. Adolfa Mitera 9; 32-700 Bochnia, Poland

**Harmonised standard:** EN 13165:2012+A2:2016

**The system/s of AVCP:** 3

**Notified body/ies:** no. 1488 (ITB, Warsaw, PL)

**Intended use/uses:** thermal insulation products for buildings

**Declared performances:**

| essential characteristics   | performance   | values / classes   |   |
|---|---|--|---|
| Thermal resistance  | Thickness tolerance, class  | for ( $80 \leq d_N \leq 120$ mm): $\pm 3$ mm, T2<br>for ( $120 < d_N \leq 220$ mm): +5/-3 mm, T2 |   |
|   | Thermal conductivity, $\lambda_D$   | for ( $80 \leq d_N \leq 220$ mm): <b>0,019</b> [W/m·K]   |   |
|   | Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W]                           | 80 mm: <b>4,35</b>   | 90 mm: <b>4,90</b> 100 mm: <b>5,45</b>  |
|   |   | 110 mm: <b>5,95</b>  | 120 mm: <b>6,50</b> 130 mm: <b>7,05</b> |
|   |   | 140 mm: <b>7,60</b>  | 150 mm: <b>8,15</b> 160 mm: <b>8,70</b> |
|   |   | 170 mm: <b>9,25</b>  | 180 mm: <b>9,80</b> 190 mm: <b>10,3</b> |
|   | 200 mm: <b>10,9</b>   | 210 mm: <b>10,4</b> 220 mm: <b>11,9</b>  |   |
| Reaction to fire (of the product as placed on the market)                     | E Class (EN 13501-1)  |  |   |
| Durability of reaction to fire against heat, weathering, ageing/degradation   | Durability of reaction to fire of the product as placed on the market     | NPD; The fire performance of PIR does not deteriorate with time (acc. EN 13165+A2)               |   |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal conductivity, $\lambda_D$ aged values                             | for ( $80 \leq d_N \leq 220$ mm): <b>0,019</b> [W/m·K]   |   |
|   | Thermal resistance, $R_D$ [m <sup>2</sup> ·K/W]                           | 80 mm: <b>4,35</b>   | 90 mm: <b>4,90</b> 100 mm: <b>5,45</b>  |
|   |   | 110 mm: <b>5,95</b>  | 120 mm: <b>6,50</b> 130 mm: <b>7,05</b> |
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| Durability characteristics  | NPD   |  |   |
| Dimensional stability   | DS(70,90)2  |  |   |
| Deformation under specified compressive load and temper.                      | NPD   |  |   |
| Compressive strength  | Compressive stress, $\sigma_{10}$   | $\geq 100$ kPa, CS(10/Y) <b>100</b>  |   |
| Tensile strength  | Tensile strength perpendicular to face                                    | NPD  |   |
| Durability of compressive strength against ageing/degradation                 | Compressive creep   | NPD  |   |
| Water permeability  | Long term water absorption  | NPD  |   |
|   | Short term water absorption   | NPD  |   |
|   | Flatness after one-sided wetting  | NPD  |   |
| Water vapour permeability   | Water vapour transmission, $\mu$  | NPD  |   |
| Acoustic absorption index   | Sound absorption  | NPD  |   |
| Release of dangerous substances to the indoor environment                     | NPD; European test methods are under development for this characteristic. |  |   |
| Continuous glowing combustion   | NPD; European test methods are under development for this characteristic. |  |   |

Harmonised standard: EN 13165:2012+A2:2016

NPD: No Performance Determined

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

**"GÓR-STAL" Sp. z o.o.**  
 38-300 Gorlice, ul. Przemysłowa 11  
 tel. 018 353 98 00  
 REGON 852712117 NIP 738-19-45-154

GŁÓWNY TECHNOLOG  
*Bartłomiej Bochnia*

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 place and date of issue

signature and seal of the authorized person