

## DECLARATION OF PERFORMANCE

No.: 18/2026

1. **Product name (ID code):** PolTherma TS X 100 PIR L, M, SM, P, SP25
2. **Intended use:** external walls, internal walls
3. **Manufacturer:** Europanel Sp. z o.o., Inflancka 5/81, 00-189 Warszawa, production plant: Latkowo 35, 88-100 Inowrocław
4. **Authorised representative:** N/A
5. **Systems of assessment and verification of constancy:** Fire parameters System 3, other parameters System 4
6. **Harmonised standard:** EN 14509:2013

**Notified bodies:**

Instytut Techniki Budowlanej Warszawa, accreditation no.: AB 023, notification no.: 1488

Certbud Sp. z o.o. Warszawa, accreditation no.: AB 1596, notification no.: NB 2310

FireLab Sp. z o.o. Warszawa, accreditation no.: AB 1777, notification no.: 2904

Fires s.r.o. Batizovce, notification no.: 1396

7. **Declared performance properties:**

| Basic characteristics                            | Declared value                                                                                    | Technical specification        |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------|
| Thermal insulation                               | PUR (rigid polyurethane foam PIR type);<br>Density: 38 +/-3 kg/m <sup>3</sup> ; Thickness: 100 mm | EN 14509:2013                  |
| Heat transfer U <sub>d,s</sub>                   | 0,22 W/m <sup>2</sup> K                                                                           |                                |
| Thermal conductivity $\lambda_{\text{declared}}$ | 0,022 W/mK                                                                                        |                                |
| Tensile strength                                 | 0,06 MPa                                                                                          |                                |
| Shear strength                                   | 0,098 MPa                                                                                         |                                |
| Shear modulus (core)                             | 2,65 MPa                                                                                          |                                |
| Compressive strength (core)                      | 0,1 MPa                                                                                           |                                |
| Creep coefficient                                | t=2000 h: 2,74; t=100 000 h: 3,43                                                                 |                                |
| Bending resistance in span                       |                                                                                                   |                                |
| - positive bending                               | 6,43 kNm/m                                                                                        |                                |
| - positive bending, elevated temp.               | 6,23 kNm/m                                                                                        |                                |
| - negative bending                               | 6,65 kNm/m                                                                                        |                                |
| - negative bending elevated temp.                | 6,45 kNm/m                                                                                        |                                |
| Bending resistance at an internal support        |                                                                                                   |                                |
| - positive bending                               | 5,83 kNm/m                                                                                        |                                |
| - positive bending, elevated temp.               | 5,65 kNm/m                                                                                        |                                |
| - negative bending                               | 5,57 kNm/m                                                                                        |                                |
| - negative bending elevated temp.                | 5,40 kNm/m                                                                                        |                                |
| Water permeability                               | Class A (1200 Pa)                                                                                 |                                |
| Air permeability                                 | ≤ 0,1 m <sup>3</sup> /h/m <sup>2</sup>                                                            |                                |
| Water vapour permeability                        | Fulfil, impermeable                                                                               |                                |
| Proper acoustic insulation                       | Rw 26 (-3, -4) dB                                                                                 |                                |
| Sound absorption                                 | $\alpha_w = 0,15$                                                                                 |                                |
| Concentrated load resistance                     | NPD                                                                                               |                                |
| Durability                                       | Fulfil                                                                                            |                                |
| Hazardous substances                             | NPD                                                                                               |                                |
| External facing                                  | steel 0,5 mm; S280GD; Z225 or AZ120 or ZM100;<br>Top coat SP25                                    | EN 10346:2015<br>EN 10143:2008 |
| Internal facing                                  | steel 0,5 mm; S280GD; Z225 or AZ120 or ZM100;<br>Top coat SP25                                    | EN 10346:2015<br>EN 10143:2008 |
| Reaction to fire (core)                          | E                                                                                                 | EN 13501-1:2018                |
| Reaction to fire (product)                       | B-s1,d0                                                                                           | EN 13501-1:2019                |
| Fire resistance                                  | NPD                                                                                               | EN 13501-2:2023                |

8. **Appropriate technical documentation or special technical documentation:** N/A

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

On behalf of the manufacturer: Janusz Szczepański, Warszawa, July 1<sup>st</sup> 2026

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**PROKURENT**  
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